

ALBERTA

MINES  
BRANCH

REPORTS

1921-22

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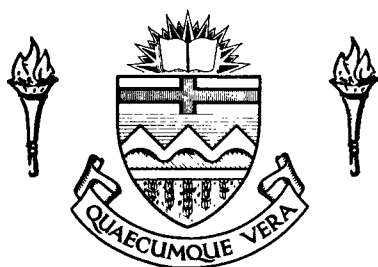
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ANNUAL REPORT  
OF  
**THE MINES BRANCH**  
OF THE  
PROVINCE OF ALBERTA  
1921



EDMONTON:  
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1922

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EDMONTON, FEBRUARY 15, 1922.

TO THE HON. HERBERT GREENFIELD,

*Provincial Secretary.*

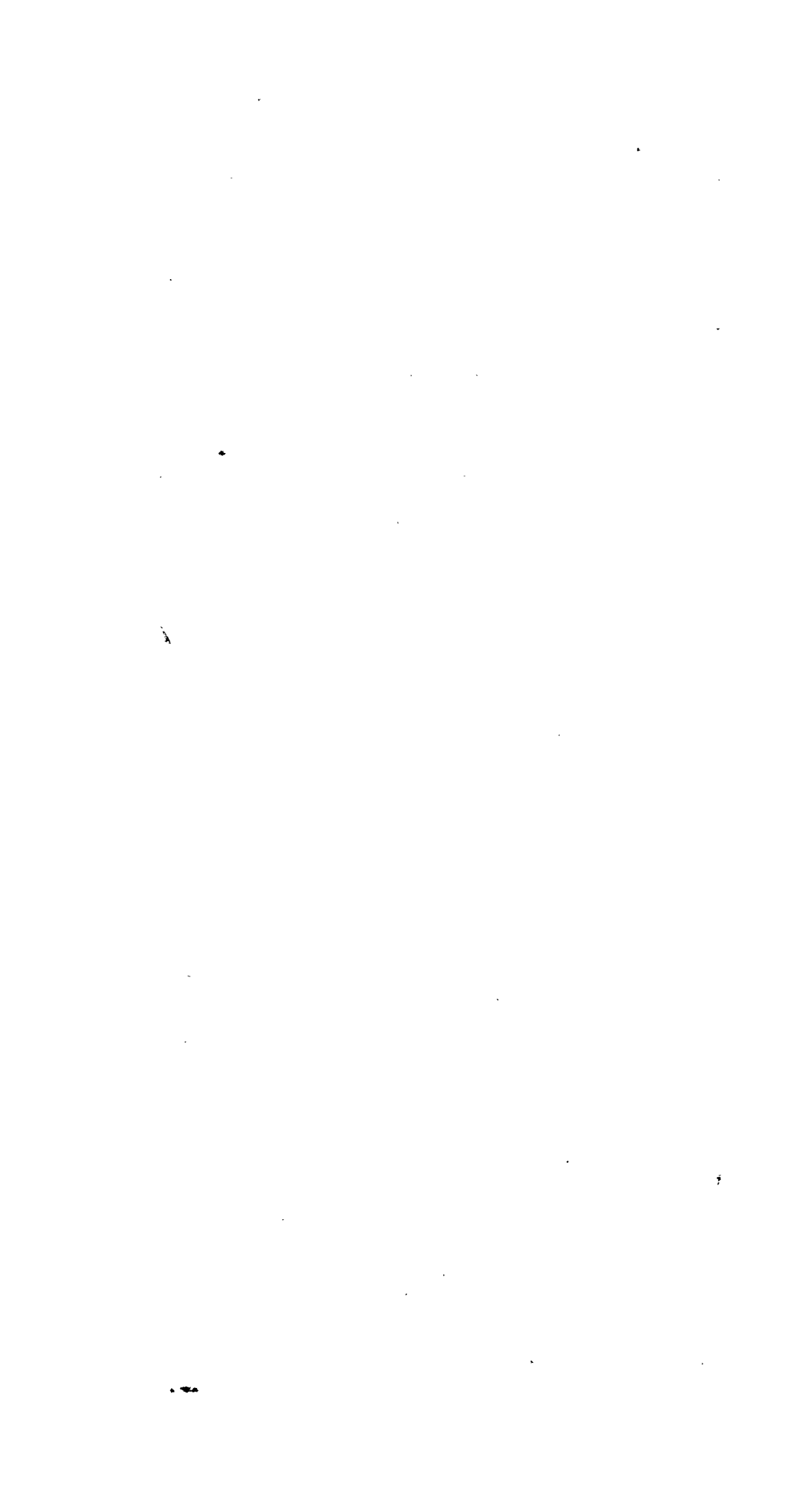
SIR,—I herewith submit the report of the Mines Branch for the year ending December 31, 1921.

Respectfully submitted,

JOHN T. STIRLING,

*Chief Inspector of Mines.*

2226804



## **ANNUAL REPORT OF THE MINES BRANCH FOR THE YEAR ENDING DECEMBER 31, 1921.**

The total amount of coal produced in the Province during the year was 5,937,195 tons, of which 3,438,965 tons were sold for consumption in the Province of Alberta; 1,915,816 tons for consumption in other Provinces in Canada; and 133,823 tons for consumption in the United States. The coal shown as being sold for consumption in the Province of Alberta includes coal sold to Railway Companies, a large portion of which is used outside the Province.

There were 2 shale mines, 1 copper ore mine, and 333 coal mines in operation during the year 1921; of which 90 were opened, 17 re-opened, and 17 abandoned. In addition to the mines abandoned during 1921, 33 that were closed during 1920 were abandoned, and 43 were temporarily closed.

The List of Permitted Explosives was amended during the year, by adding to it the explosives known as Gelpermite No. 1, Coalite C.L.F., Coalite D.L.F., Coalite E.L.F., and Monobel No. 4.

The most serious accident which occurred during the year was at the mine operated by the Mountain Park Coal Co., Ltd., near Mountain Park, by which two men lost their lives and six were seriously injured. This accident was caused by an ignition of gas from a shot fired in the coal at the face of Room No. 44 off B Level No. 3 East slope.

During the year 21 persons lost their lives from accidents as compared with 29 during 1920. Of these fatal accidents, 2 occurred above ground and 19 below ground. There were 5 serious accidents above ground and 59 below ground; no slight accidents above ground, and 25 below ground.

It will be noted that the *per capita* production of coal per fatal accident is 282,723 tons, which shows a larger tonnage produced than for any previous year.

In addition to the inspections which have been made, from time to time, of the different mines by the District Inspectors, all fatal and serious accidents have been investigated and all inquests attended.

Several samples of mine air have been taken by the District Inspectors, in addition to tests made by them with the Burrell Gas Detector. These samples have been forwarded to the University of Alberta for analysis. A number of samples of coal have also been taken and forwarded to the University of Alberta for analysis. The results of these analyses of coal will be found by referring to the Second Annual Report of the Advisory Council of Scientific and Industrial Research of Alberta.

There are in use 2,075 safety lamps of the Wolf type, 6 of the Kohler type, 1 of the Marsaut type, 3,675 electric portable lamps of the Edison type, 500 of the Wico type, 35 of the Ceag type, and 71 of the Canadian General Electric type. It will be noted that a considerable increase has taken place in the number of electric portable lamps over previous years.

Training in connection with Mine Rescue work has been carried on very satisfactorily during the year, there being three Mine Rescue Cars and six Mine Rescue Stations in operation. This work is now being carried on under the auspices of the Workmen's Compensation Board, and full particulars with reference to it will be found by referring to the report of the Board for the year ending December 31, 1921.

The total output for the year 1921 was 5,937,195 tons, which is 971,728 tons less than the output for the year 1920. The largest monthly production was during the month of November, when 717,338 tons were produced.

The amount of coal produced during 1921 from mines which were opened in 1921 was 59,861 tons.

Twenty-eight persons were prosecuted for contraventions of The Mines Act, a conviction being obtained in each case.

The number of persons employed in mines during the month of December, 1921, was 12,236, being a decrease of 111 from the number employed during the month of December, 1920.

Several changes have taken place in the staff of Inspectors during the year 1921. Mr. Duncan McDonald, who is now employed by the Workmen's Compensation Board, and devotes his whole time to the superintendence of Mine Rescue and First Aid work in the Province, resigned as District Inspector of Mines for the Calgary District in February, 1921, and was succeeded by Mr. Moses Johnson, formerly District Inspector of Mines for the Lethbridge District. Mr. Johnson was succeeded by Mr. Nathaniel Howells, formerly manager of the Jewel Collieries Limited, Wayne. During the month of July, Mr. Johnson resigned as District Inspector of Mines, to take the position of manager of the mine operated by the Chinook Coal Company, Limited, Commerce. The Calgary District is now under the supervision of Mr. James A. Richards.

Mr. M. L. Hyde, Fuel Engineer at Winnipeg, resigned on November 1, 1921, to take a position as Western Representative of the Cadomin Coal Company, Limited, with headquarters at Vancouver, and was succeeded by Mr. George R. Pratt, Fuel Engineer, who for many years was Western Fuel Engineer for the Canadian Pacific Railway Company at Winnipeg.

Particulars with reference to the work being carried on by the Mines Branch, in connection with the extension of the market for coal, will be found by referring to the reports of Mr. Howard Stutchbury and Mr. George R. Pratt, which are herewith attached.

Further particulars regarding the mining industry in the Province will be found by referring to the attached tables.



EDMONTON, ALTA.,

FEBRUARY 15, 1922.

DEAR SIR,—

In common with all other commodities in Canada, the market for Alberta coal suffered during 1921, and the tonnage mined is considerably short of 1920, which was the banner year of the industry.

Some of the reasons for the present state of the market are—

- (a) General business depression in Canada.
- (b) Unfavorable weather conditions.
- (c) Depression in the coal trade of the United States, and the consequent deflation of prices at the head of the Lakes on American coal for Canadian consumption.
- (d) The lack of proper standards for Alberta coal, including quality, preparation, and sizing.
- (e) The lack of proper inspection of coal, which would give some measure of guarantee to the consumer of uniformity of product.
- (f) The lack of accurate knowledge of the coals of Alberta, and the best methods of their combustion, possessed by the coal dealers and the general consuming public.

Very fine work has been carried on in the Winnipeg office by Mr. M. L. Hyde, and later, on his resigning, by Mr. Geo. Pratt, late fuel engineer for the C.P.R. The services of these two gentlemen have been highly appreciated by the consuming public in Winnipeg, and very real, if slow, progress has been made. One of the essentials to the development of a constant and growing market, either in Saskatchewan, Manitoba, or British Columbia, is compulsory regulations for standardizing quality, preparation, and sizing of Alberta coals; a general publication of such regulations, so that the consuming public may be properly advised as to the quality of coal being shipped; a definite regulation having for its object the designation of every car of coal leaving a mine, its point of shipment, or other necessary details. This designation to be carried out on the way bills, and bills of lading from the operating company to the wholesaler; in fact, until the coal reaches the consumer's cellar, so that he may have assurance that he is receiving coal from the same mine which had given him previous satisfaction. This is protection, not only for the consumer, but for the reputable dealer, wholesaler, and operator; and would, in my judgment, do much to stabilize the industry and reduce complaints.

We are, unfortunately, in the position in Alberta of being overmined, not only in the matter of production, but in the matter of operating companies, and many of these companies are irresponsible to the extent that they only see the immediate market and its profit, without thought of ultimate development either for themselves or for the industry at large. I am convinced that some restrictive legislation should be sought to prevent the wholesale opening up of what are really "gopher holes," which are operated for a short time during the winter months; have no plant for the proper preparation of coal for the market; no interest in the "kick" that comes back from dissatisfied dealers and consumers (as next year they are operating

under another name), and have no interest in the general welfare of the Province at large.

During the year some progress has been made in the Pacific Coast market. The northern coast has been visited as far as Juneau, Alaska. It is necessary first to build bunkers at Prince Rupert (and these, I am glad to say, after long negotiations, have been arranged for). Lower freight rates are also essential; this matter has been under discussion with the freight officials of the C.N.R., with a view to a special export rate on all coal ex-bunkers at Prince Rupert.

As to the Vancouver market, there is no question in my mind that this is full of great potentialities for development, both in coal and in the other basic productions of Alberta, and the Ocean Port is as fully our port as Vancouver's.

At the present time, a large amount of the coal consumed down the Pacific Slope to Seattle, Los Angeles, San Francisco, Mexico, and the South American Republics is coming from Australia. It is impossible for us at the present time to take care of any bunker or export market at Vancouver, through lack of facilities. There are several plans under consideration with the Vancouver Board of Harbor Commissioners for a floating dock, and another for the building of a huge coal pier with bunkering facilities, adjoining the Ballantyne pier now being built. The matter should be handled by a private bunkering company under lease, and I am advised that such an arrangement is now being developed. My opinion is that the Port of Vancouver is so important to Alberta that an office should be opened up at that point, in charge of a capable business man of good address and wide business experience, having a thorough knowledge of Alberta and its products, and also having a fair connection on the Coast and some knowledge of the shipping industry. Such a man might be hard to find, but would be worth his salary many times over in the development of that trade channel for Alberta products.

Respectfully submitted,

HOWARD STUTCHBURY,

*Commissioner.*

WINNIPEG, MANITOBA,  
JANUARY 10, 1922.

SIR,—I herewith submit my annual report for the year ending December 31, 1921.

The Demonstration Office has been maintained at 277 Smith St., Winnipeg, where domestic heating furnaces and stoves have been on demonstration, showing in practical operation the burning and methods of burning the various kinds of Alberta domestic coals. The office has been well patronised by the public.

In addition to advice being given on the fuels, efforts were made to have home-builders, and others making changes to their heating equipment, obtain advice as to the best equipment to instal, or to have them submit any plans for approval before going to any expense, in order that the installation might be made to give best results on Alberta coals and service to the householder. This service has been used to a small extent, but did not develop as expected, on account of the lack of new building operations.

The office is being used to an increasing extent for our recommendations as to the value of changes proposed, or opinions on new devices placed on the market, by buyers before the purchase of same. In addition to the personal visits made by the public, there is an almost equal number of enquiries for advice over the telephone.

Domestic users who have experienced trouble, and who are unable to provide information at the office as to the cause of the trouble, are visited at their homes, where the causes are pointed out, and a remedy suggested; which, on being carried out, usually removes the trouble.

During the early part of the year the office was kept open between the hours of 9.30 and 5.30, but latterly it has been the policy to have the office open between the hours of 9.30 and 1 o'clock, the afternoon being used for personal visits to coal consumers and dealers.

There is an increasing number of domestic coal users, most of those that get properly accustomed to handling Alberta coals having decided to continue using them. In getting the coal user to make a trial of the Alberta product, a considerable amount of prejudice has to be overcome. Several factors, however, have been in our favor this year; such as the price of hard coal, the rate of exchange, the prejudice against foreign goods, and the feeling that Canadian industries should be encouraged. Strong points have been made of these factors in our newspaper advertising, and good results have been obtained. Usually, when beginning to use Alberta coal, users have done so with the idea that they will use the Alberta coal during the mild weather, and that it will be necessary to use hard coal during the extreme weather. The mild weather to date has not given us an opportunity of determining what loss we shall have from this understanding, but it is not expected to be very high, unless the users have been unfortunate in selecting a grade of coal that is unsuitable for their equipment. Usually the difference is on account of wrong methods of handling. In economic values of the coals, it is in favor of the Alberta coals.

During the summer months a reduction of freight rates, selling price at the mines, and by local dealers, lowered the market price by

about \$2 per ton, with the expectation that buyers would put in their winter supply; but it did not have the effect expected, as very little stocking-up was done.

Considerable business is lost through lack of knowledge by the public of the qualities of the Alberta coals offered for sale; by their innumerable kinds and names; by advertising which attempts to put a value upon the lower grades of coals equal or better than the better grades; by the number of new coal-dealers who have opened up business and sell direct from the car; and by canvassing from door to door. Canvassing from door to door has done much harm, as the class of salesman employed in this work is inexperienced, and only interested in making sales so that he may get his commission; and he may, and does in a large number of instances, represent the coal as being entirely different from what the buyer understands he is obtaining. If the buyer is not accustomed to the use of soft coal, he decides that all soft coal is unsuitable for his purpose, and changes to hard coal. It is difficult to get a person who has had this experience to change back to soft coal.

Hard coke has been a competitor which has taken much business. This fuel has equal heat value to hard coal, and higher, and sells at a price of \$5 per ton less; at the time of writing, the price of hard coke is \$15.50 per ton, as compared with a representative price of the Alberta coals of \$13.75 per ton. The coke is being sold sized the same as hard coal, and is coming more and more in favor.

Souris coal is becoming an increasing factor of competition, and has taken some business which would have gone to the Alberta mines. The classification of Souris coal has been dropped, and the coals given names; some persons buying this thinking it is an Alberta product. The present price of Souris coal is \$8.50 per ton:

From time to time articles appear in the daily papers advising that the Bienfait briquette plant will be in operation at once; but, as far as the writer is aware, no briquettes have been offered for sale yet. The latest advertisement is that they will be sold for \$17 per ton. They are also being boosted as a substitute for hard coal, with the inference that they will burn in a similar manner to anthracite. Information to hand is that a pitch binder will be used, which will make them similar to the Bankhead product, and that they will be a substitute for soft coal. The Bankhead briquettes have been on the market for a number of years, and the amount of hard or soft coal that they have displaced is not noticeable. On this account I do not think that any serious competition need be feared from this source, especially as the price quoted was based upon the cost of manufacture.

On the whole, the coal has been shipped from the mines much better prepared than previously, but there is still much room for improvement, and, from indications at present, much closer competition can be expected from the imported coal during the next season, so that all efforts should be made to meet this. The condition and appearance of the coal is a big factor in the buyer's opinion as to the value of the coal.

The Winnipeg fuel dealers are very well satisfied with the operation of the Winnipeg office, and make full use of same for advice, and as a means of reference to purchasers for information on the grades of coal

which they handle, and are satisfied that unbiased opinions and information are being given. Every co-operation and assistance is given this office, by them, to help the campaign along. This is very encouraging, especially when it must be remembered that the dealers, in addition to being our customers, are also our competitors.

### STEAM COAL SITUATION

Early in the year a considerable amount of Alberta product was used in the various steam plants, apartment blocks, etc. Much work was done in the way of instruction and advice in the methods of handling such coals. The coal was sold entirely upon a price basis.

During the summer, competitive tests were run at different plants upon various kinds of coals. A survey and tabulation was also made of the various plants using steam coals.

At present the amount of steam coal from Alberta being used is very small, competition from the foreign coals being too keen. The listed price of the average Alberta coal is \$10 per ton for mine run, while Youghigheny slack is \$9 per ton and Pocahontas mine run \$9.70 per ton.

Hard coke is being brought into the city at the date of writing, at the rate of ten to twelve cars daily.

Factors which must be taken into account, when consideration is given to the probabilities of getting and holding the Domestic fuel market, are:

That hard coal is a good fuel, well known and easily handled, and will permanently stand an unfavorable price ratio when compared upon a heat basis with the Alberta coals, on account of its greater ease in handling into the furnace, and its clean condition of delivery to the house, it being very free from dust.

That increasing quantities of hard coke will be made in the United States, and that much competition will result from this source, especially when (as is the present condition) a by-product market is required, brought about by the mild weather conditions. This coke has a heat value of about 7% greater than hard coal, and is being sold in Winnipeg at 25% less price.

Educational work must be continued and extended. Owing to the affiliation of the dealers with the competitive product, help which we may expect from them will be limited by the interests of their business, and may change forward and back, for and against the Alberta product.

Recommendations are that the newspaper advertising be continued more or less, as conditions warrant.

That lectures be instituted for instruction in the schools on the handling of Alberta coals.

That printed matter be obtained, so that users may have a permanent standard record of methods of using the coals.

That some method be started to educate dealers in the properties and methods of using the coals which they sell.

That mine operators keep advised of the competitive coals, and endeavor to improve the quality and preparation of their coals, so that they may meet competition.

In any consideration for the future possibilities of the Winnipeg domestic market, it should be borne in mind that the product that is being displaced is hard coal or anthracite.

That the Winnipeg dealers have, during the summer and fall months, purchased their stock of foreign coal and stored it in their yards, and at the head of the Lakes, and that the loss due to storing and deterioration is practically nil.

That seasonal production at the mines is not necessary.

That in the past there has been no obligation nor necessity for the ultimate user to purchase in more than 1-ton lots, as required by heating conditions.

That owing to the financial obligations required of the dealers to put in a stock during the summer months, the number of dealers is limited. These same dealers required the whole of the year to either sell coal or to make preparations to do so.

With the Western coals conditions appear to be the reverse.

Unless it is possible for the dealers to obtain coal put down in Winnipeg during the summer season at around 25% less cost than during the winter, there is no apparent advantage for them to stock coal.

That, with the high moisture coals in particular, the storage loss would be great, due to slacking, and breakage through additional handling.

That the average householder has not facilities for storing more than six weeks' supply.

That the householder believes that storing soft coal reduces its fuel value much more than is the actual fact.

That financial conditions and garden lots are not suited for having coal delivered during the summer season.

That, except for speculative purposes, there is no need for the dealer to buy domestic coal, except as required for delivery to customers.

That conditions such as above make a considerable change in the methods in which the dealer has been doing business. Unless summer buying can be forced, the dealer who deals in coal during the winter months only is the one that will be able to do business at a profit, owing to his low overhead cost and the fact that he need only figure on delivery from the car to the customer. There is the disadvantage to this that he winds up his business every season, and it is not necessary for him to use methods which would be required for permanency; he will naturally buy the lowest priced coal and sell it as a better.

The above facts are unpleasant, but they must be realized at the start if it is intended to overcome them. This can only be done by having a much lower mine price during the summer than winter, a considerable reduction in freight rates during the summer months,

delivery from the car to the customer, and probably financial assistance to the buyer on the part of the dealer.

Egg, stove, and nut sizes of the high moisture coals hold their condition better than lump sizes. Education of the public should be pushed to further the use of these sizes. The mine operators should assist by increasing their output of such sizes; and even, if necessary, to make them from the lump. The mine operators should also make demonstrations of the value of the smaller sizes and slack, so that full commercial value of same may be obtained. The general impression exists that the operator feels that he has done his duty when he places so many tons of coal on the market, and that it is "up to" the dealer to sell his product in preference to all others. From a business standpoint the operator should be the most interested party in following his coal to its final disposition, and not work on the basis that it is so much better than some other coal, but work on it until he has convinced the user that it is the best.

All parties should use every effort to better the fuel, and to overcome any disadvantages which they may have. One great disadvantage, in some users' eyes, is the difficulty of control of the free burning coals. The writer has experimented in order to overcome this, and in his opinion there is not a more desirable fuel for domestic purposes, it having more extreme lasting qualities, and quicker response, than a mixture of stove or nut size free burning coal, and coking coal slack, having 3 to 1 mixture. This is also free from clinker trouble.

With regard to future conditions for steam coals, this is almost entirely a question of price, and cannot be foreseen. Latterly the pushing of the steam coals has been given second place to the domestic fuels; as it seemed that the energy required could be put to better advantage if concentrated on the domestic market.

The foreign steam coals on the Winnipeg market are selected as being the best obtainable. It will be necessary for the Western operators to guarantee certain conditions and heat values for their coals, making allowance in the price for the lower heating values. If they desire the dealers to act as their agents, and boost their product in preference to the foreign, they must protect him against loss due to complaints of customers where coal does not come up to the standard expected by the users. Rightly or wrongly, the dealer will not take the responsibility of boosting the lower heat value coal when compared with the foreign, and at the same time take over the "kicks" and troubles which originate from same. This responsibility should be taken over by the operator, or at least until such time as by practical experience he has learned the full negative value of them. It is believed, however, that the dealers would be willing to take more than their equal share if they believed that the operator would take care of all that he possibly could, and take measures to prevent unnecessary troubles in future.

With regard to the user's equipment for burning the steam coals, most of these are out of date, or old style methods, but they answer the purpose better on the higher value coals, or coals low in ash. The economic losses are high in any coal. Educational work is the only means of overcoming this feature, illustrating the fact that the lower grade of coals may be purchased at greater economic values than

the higher grades, and that plants installed to burn the lower grades efficiently will give equal efficiency on the better grades. This should be the practical educational demonstration of the operators, who should put their own plants up to date and show the user what can be done with the grade of coal which they mine. Outside of the educational feature, it would be good business, and would pay for itself in a few years.

Yours truly,

GEORGE R. PRATT,

*Fuel Engineer.*

JOHN T. STIRLING, ESQ.,

*Chief Inspector of Mines,*

Edmonton, Alberta.



# ANNUAL CONSUMPTION OF COAL IN THE DOMINION OF CANADA

The following table is taken from a report issued by the Department of Mines, Ottawa, for the year 1920:

Calendar Year	Canadian		Imported		Total	Per Capita
	Short Tons	%	Short Tons	%		
1886.....	1,595,950	45.9	1,884,161	54.1	3,480,111	0.758
1887.....	1,848,365	45.7	2,192,260	54.3	4,040,625	0.871
1888.....	2,013,925	37.8	3,314,353	62.2	5,328,278	1.137
1889.....	1,992,988	44.4	2,490,931	55.6	4,483,919	0.946
1890.....	2,360,196	47.8	2,581,187	52.2	4,941,383	1.031
1891.....	2,606,490	46.7	2,980,222	53.3	5,586,712	1.153
1892.....	2,464,012	44.4	3,083,429	55.6	5,546,441	1.133
1893.....	2,823,187	47.6	3,110,462	52.4	5,933,649	1.198
1894.....	2,743,376	48.5	2,917,818	51.5	5,661,194	1.130
1895.....	2,467,109	45.7	2,933,752	54.3	5,400,861	1.066
1896.....	2,639,055	45.1	3,206,456	54.9	5,845,511	1.140
1897.....	2,799,977	47.3	3,124,485	52.7	5,924,462	1.143
1898.....	3,023,079	48.0	3,274,981	52.0	6,298,060	1.200
1899.....	3,631,882	47.0	4,092,361	53.0	7,724,243	1.454
1900.....	3,989,542	47.8	4,361,563	52.2	8,351,105	1.561
1901.....	4,912,664	50.5	4,810,213	49.5	9,722,877	1.810
1902.....	5,376,413	51.0	5,165,938	49.0	10,542,351	1.927
1903.....	6,005,735	52.2	5,491,870	47.8	11,507,605	2.055
1904.....	6,697,183	49.2	6,989,651	50.8	13,686,834	2.346
1905.....	7,032,661	48.9	7,343,880	51.1	14,376,541	2.362
1906.....	7,927,560	51.7	7,398,906	48.3	15,326,466	2.425
1907.....	8,617,352	45.0	10,549,503	55.0	19,166,855	2.947
1908.....	9,156,478	47.3	10,195,424	52.7	19,351,902	2.820
1909.....	8,913,376	47.9	9,711,826	52.1	18,625,202	2.682
1910.....	10,532,103	50.2	10,438,123	49.8	20,970,226	2.960
1911.....	8,822,749	40.5	14,424,949	59.5	24,247,698	3.384
1912.....	12,385,696	46.0	14,549,104	54.0	26,934,800	3.596
1913.....	13,450,158	42.6	18,132,387	57.4	31,582,545	4.071
1914.....	12,274,403	45.5	14,637,920	54.5	26,912,323	3.325
1915.....	11,500,480	48.1	12,406,212	51.9	23,906,692	3.015
1916.....	12,348,036	41.3	17,517,820	58.7	29,865,856	3.669
1917.....	12,313,603	37.2	20,810,132	62.8	33,123,735	3.962
1918.....	13,160,731	37.8	21,611,101	62.2	34,771,832	4.047
1919.....	11,611,168	40.2	17,251,849	59.8	28,863,017	3.266
1920.....	14,073,780	43.0	18,657,741	57.0	32,731,521	....

The following tables, which show the quantities in tons of coal entered for consumption for each month during the year 1921, through ports in the Provinces of Manitoba, Saskatchewan, and Alberta, and including the ports of Fort Frances, Fort William, and Port Arthur, have been compiled from information received from the Commissioner of Customs at Ottawa.

## BITUMINOUS SLACK

Months	Manitoba	Saskatchewan	Alberta	Fort Frances	Fort William	Port Arthur	Total	Total Dominion
January.....	1,424	...	...	425	...	...	1,849	183,895
February.....	2,491	...	33	915	...	...	3,439	124,256
March.....	3,185	262	60	1,989	...	...	5,496	122,063
April.....	5,524	296	99	1,058	...	...	6,977	84,270
May.....	6,582	614	129	319	2,860	5,914	16,418	160,943
June.....	5,174	172	40	...	10,612	3,629	19,627	269,776
July.....	2,727	...	30	390	55,920	...	59,067	299,705
August.....	1,716	138	73	165	21,747	...	23,839	320,261
September.....	2,852	...	34	640	5,282	...	8,808	249,596
October.....	4,877	...	80	491	14,109	...	19,557	282,656
November.....	7,033	...	417	1,452	2,861	70	11,833	291,280
December.....	7,433	...	37	1,742	2,790	...	12,002	169,159
Total.....	51,018	1,482	1,032	9,586	116,181	9,613	188,912	2,557,860

BITUMINOUS

Months	Manitoba	Saskatchewan	Alberta	Fort Frances	Fort William	Port Arthur	Total	Total Dominion
January.....	725	12	92	17,470	30,614	137	49,050	1,185,793
February.....	4,163	...	...	32,010	186	174	36,533	1,763,349
March.....	5,507	4	65	16,507	82	146	22,311	696,195
April.....	1,238	72	...	3,423	...	5	4,738	494,586
May.....	950	...	46	4,110	58,718	140,254	204,078	819,513
June.....	1,307	83	...	4,195	190,898	187,058	383,541	1,153,775
July.....	1,122	100	140	2,492	211,466	135,582	350,902	1,117,085
August.....	1,080	127	30	2,654	201,991	113,675	319,557	1,210,767
September.....	2,692	12	34	5,064	155,306	55,009	218,117	950,092
October.....	2,727	69	...	9,006	88,733	17,537	118,072	901,220
November.....	2,932	390	134	10,336	121,333	516	135,641	882,791
December.....	1,372	32	...	11,103	140,647	57	153,211	803,224
Total.....	25,815	901	541	118,370	1,199,974	650,150	1,995,751	10,978,390

## ANTHRACITE

Months	Manitoba	Saskatchewan	Alberta	Fort Frances	Fort William	Port Arthur	Total	Total Dominion
January.....	790	..	..	11	....	....	801	328,853
February.....	1,506	30	..	57	....	....	1,593	307,671
March.....	754	..	..	11	61	4,126	4,952	384,373
April.....	90	..	..	1	..	..	91	274,502
May.....	308	..	..	3	28,332	9,476	38,119	458,841
June.....	278	30	..	..	27,571	..	27,879	506,592
July.....	178	..	..	..	44,210	7,712	52,100	488,904
August.....	2,058	..	..	2	64,263	9,624	75,977	419,805
September.....	4,092	70	..	21	10,562	7,734	22,479	351,500
October.....	5,802	93	..	..	7,434	9,895	23,131	323,861
November.....	10,892	31	66	32	..	14,215	25,298	335,863
December.....	6,725	..	..	..	15,045	....	22,401	385,605
Total.....	33,473	254	66	138	198,108	62,782	294,821	4,566,370

## TOTAL IMPORTATIONS

	Manitoba	Saskatchewan	Alberta	Fort Frances	Fort William	Port Arthur	Total	Total Dominion
Bituminous Slack.....	51,018	1,482	1,032	9,586	116,181	9,613	188,912	2,557,880
Bituminous.....	25,815	901	541	118,370	1,199,974	650,150	1,995,751	10,978,390
Anthracite.....	33,473	254	66	138	198,108	62,782	294,821	4,566,370
Total.....	110,306	2,637	1,639	128,094	1,514,263	722,545	2,479,484	18,102,640

# VALUE OF MINERAL PRODUCTION OF ALBERTA DURING THE CALENDAR YEAR 1921

	<i>Value</i>
<b>Metallics:</b>	
Gold.....	\$ 1,269
<b>Non-Metallics:</b>	
Coal.....	25,928,945
Natural Gas.....	1,104,444
Petroleum.....	48,925
<b>Structural Materials and Clay Products:</b>	
Cement, Portland and Puzzolan.....	735,164
<b>Clay Products:</b>	
Brick.....	253,074
Drain Tile.....	3,369
Sewer Pipe.....	161,952
All other clay products.....	241,990
Kaolin and other clays.....	315,718
Lime.....	44,446
Stone.....	25,625
Sand and Gravel.....	28,672
<b>Total Value Metallics.....</b>	<b>\$ 1,269</b>
<b>Total Value Non-Metallics.....</b>	<b>27,082,314</b>
<b>Total Value Structural Materials and Clay Products.....</b>	<b>1,810,010</b>
<b>Grand Total.....</b>	<b>\$28,893,593</b>

The following table gives particulars with reference to the Coal Mining Industry in the Province of Alberta, for the year ending December 31st, 1921.

## SUMMARY OF STATISTICS

Number of short tons of coal produced.....	5,937,195
Number of short tons of briquettes produced.....	62,466
Number of short tons of shale produced for making bricks.....	10,790
Number of coal mines in operation during the year.....	333
Number of copper ore mines in operation.....	1
Number of shale mines in operation.....	2
Number of mines opened.....	90
Number of mines re-opened.....	17
Number of mines abandoned.....	17
Number of mines closed previous to 1921, now abandoned.....	33
Number of mines closed, but not abandoned.....	43
Number of coal mines in operation at December 31, 1921.....	273
Average number of persons employed below ground.....	7,203
Average number of persons employed above ground.....	2,807
Number of separate accidents causing loss of life.....	20
Number of deaths caused by accidents above ground.....	2
Number of deaths caused by accidents below ground.....	19
Number of serious accidents above ground.....	5
Number of serious accidents below ground.....	59
Number of slight accidents above ground.....	..
Number of slight accidents below ground.....	25
Number of persons prosecuted under The Mines Act.....	28
Number of provisional Overmen's Certificates issued during 1921.....	276
Number of Third Class Certificates issued during 1921.....	67
Number of Second Class Certificates issued during 1921.....	13
Number of First Class Certificates issued during 1921.....	2
Number of Mine Surveyors' Certificates issued during 1921.....	6
Number of Mine Rescue Certificates issued during 1921.....	154
Total number of Third Class Certificates issued to December 31st, 1921....	730
Total number of Second Class Certificates issued to December 31st, 1921....	327
Total number of First Class Certificates issued to December 31st, 1921....	201
Total number of Mine Surveyors' Certificates issued to December 31st, 1921..	160
Total number of Mine Rescue Certificates issued to December 31st, 1921..	897



In the following tables the short ton of 2,000 lbs. is used in all cases.

Year	Output in tons For N.W.T. (Alberta and Saskatchewan)	Output in tons, Alberta
1901.....	346,649	.....
1902.....	510,674	.....
1903.....	622,939	.....
1904.....	782,931	.....
1905.....	.....	811,228
1906.....	.....	1,385,000
1907.....	.....	1,834,745
1908.....	.....	1,845,000
1909.....	.....	2,174,329
1910.....	.....	3,036,757
1911.....	.....	1,694,564
1912.....	.....	3,446,349
1913.....	.....	4,306,346
1914.....	.....	3,821,739
1915.....	.....	3,434,891
1916.....	.....	4,648,604
1917.....	.....	4,863,414
1918.....	.....	6,148,620
1919.....	.....	5,022,412
1920.....	.....	6,908,923
1921.....	.....	5,937,195

Classification of outputs during the years 1901 to 1921, inclusive.

Year	Domestic	Domestic and Bituminous	Bituminous	Anthracite	Coal Used in Coke Production	Briquettes	Coke
*1901.....	.....	331,907	.....	14,742	.....	.....	.....
*1902.....	.....	494,087	.....	16,587	.....	.....	.....
*1903.....	.....	617,754	.....	5,185	.....	.....	.....
*1904.....	.....	759,568	.....	23,363	.....	.....	.....
*1905.....	.....	972,686	.....	43,653	71,292	.....	46,640
1906.....	602,780	.....	546,623	235,597	103,930	.....	69,844
1907.....	639,335	.....	939,295	256,115	112,887	49,585	73,782
1908.....	584,334	.....	1,011,571	249,095	128,397	36,261	75,657
1909.....	763,673	.....	1,197,399	213,257	148,104	89,785	87,812
1910.....	878,011	.....	1,896,961	261,785	196,249	108,996	121,578
1911.....	964,700	.....	649,745	80,119	61,591	48,200	35,984
1912.....	1,341,389	.....	1,926,371	178,589	170,818	90,000	105,684
1913.....	1,763,225	.....	2,374,401	168,720	104,012	130,861	65,167
1914.....	1,697,401	.....	1,953,367	170,971	44,249	109,082	29,058
1915.....	1,682,922	.....	1,626,237	125,732	38,878	83,180	23,826
1916.....	2,172,801	.....	2,335,259	140,544	67,105	107,959	41,950
1917.....	2,537,829	.....	2,206,868	118,717	51,905	93,818	31,630
1918.....	3,035,061	.....	2,982,334	131,225	53,462	100,470	32,858
1919.....	2,611,009	.....	2,325,787	85,616	.....	70,033	.....
1920.....	3,359,309	.....	3,419,021	130,594	.....	101,693	.....
1921.....	2,943,141	.....	2,897,380	96,674	.....	62,466	.....

\*Includes outputs from Alberta and Saskatchewan.

During the year 1909, a strike affecting all the larger mines in the Province lasted for a period of three months.

During the year 1911, a strike affecting all the larger mines in the Province lasted for a period of eight months.

During the year 1917, a strike affecting all the larger mines in the Province lasted for a period of three months.

During the year 1919, a strike affecting all the larger mines in the Province lasted for a period of three months.



The following table shows the outputs of the different districts for the years 1920 and 1921:

Districts	1920			1921		
	Domestic	Bituminous	Anthracite	Domestic	Bituminous	Anthracite
Crow's Nest Pass.....		1,775,529			1,272,181	
Pincher Creek.....	5,575			8,100		
Lethbridge.....	850,662			776,667		
Magrath.....	1,827			2,539		
Milk River.....	6,230			6,544		
Taber.....	133,027			43,203		
Bow Island.....	6,456			4,801		
Medicine Hat.....	14,816			16,808		
Aldersyde.....	8,339			9,127		
High River.....	1,834			1,821		
Canmore.....		275,511			206,267	
Banff.....			130,594			96,674
Drumheller.....	1,210,687			992,456		
Big Valley.....	52,349			57,479		
Brazeau.....		453,875			479,735	
Brooks.....	13,856			14,781		
Hanna.....	29,643			33,099		
Lacombe.....	14,515			14,878		
Trochu.....	20,218			20,346		
Three Hills.....	32,327			31,394		
Carbon.....	8,564			12,960		
Battle River.....	13,509			19,660		
Camrose.....	72,567			68,621		
Tofield.....	53,226			50,469		
Clover Bar.....	343,396			363,077		
Edmonton.....	97,133			87,396		
Namoo.....	16,807			7,859		
Cardiff.....	175,102			135,491		
Wabamun.....	29,751			27,323		
Pembina.....	146,810			136,242		
Jasper Park.....		235,584			258,091	
Yellowhead.....		437,093			301,568	
Mountain Park.....		241,429			379,538	
Peace River.....	82					
Total.....	3,359,308	3,419,021	130,594	2,943,141	2,897,380	96,674

The following table shows how the total output of COAL and BRIQUETTES was disposed of during 1921:

	Sold for Consumption in						Used		Put to Waste	Lifted from Stock	Lifted from Waste	Total Output for year, including put to stock and waste, but not lifted from stock or waste.
	Alberta	British Columbia	Saskatchewan	Manitoba	Ontario	United States	Railroad	Total Sales				
Domestic.....	1,199,380	51,904	1,007,393	408,456	6,828	33,085	.....	2,707,046	59,137	46,378	15,692	2,943,141
Bituminous.....	209,934	61,710	284,015	86,348	3,070	100,330	2,016,144	2,762,051	30,130	22,703	276	2,897,380
Anthracite.....	6,547	2,475	3,033	384	.....	408	6,760	19,607	835	10,419	.....	96,674
Total.....	1,415,861	116,089	1,294,441	495,388	9,898	133,823	2,023,204	5,488,704	70,497	79,500	15,968	5,937,195
Briquettes.....	5,897	1,725	6,327	2,515	.....	15	46,016	61,230	2,381	2,417	.....	62,466

The following table shows how the total output of COAL and BRIQUETTES was disposed of during 1920:

	Sold for Consumption in						Used		Put to Waste	Lifted from Stock	Lifted from Waste	Total Output for year, including put to stock and waste, but not lifted from stock or waste.
	Alberta	British Columbia	Saskatchewan	Manitoba	Ontario	Quebec	United States	Railroad	Total Sales			
Domestic.....	1,370,595	54,116	1,134,280	456,404	13,281	30	37,893	3,066,599	22,528	18,436	4,283	3,359,308
Bituminous.....	266,255	69,675	171,209	243,202	630	.....	115,415	2,506,507	11,993	13,015	212	3,419,021
Anthracite.....	10,382	5,059	4,657	1,356	.....	.....	302	10,048	1,556	40,929	.....	130,594
Total.....	1,647,202	128,850	1,310,146	600,962	13,911	30	153,610	2,516,555	36,077	72,380	4,495	6,908,923
Briquettes.....	81,606	2,706	10,897	6,484	.....	.....	.....	72,453	555	361	.....	101,922

The following table indicates how the total output of DOMESTIC Coal for the Province was disposed of:

Name of District	Sold for Consumption in						Used under Colliery Boilers	Put to Stock	Put to Waste	Lifted from Stock	Lifted from Waste	Total Output for year, including put to stock and waste.
	Alberta	British Columbia	Saskatchewan	Manitoba	Ontario	United States	Total Sales					
Pine-er Creek.....	5,517	167	74			2,148	7,906	31	43	158	38	8,100
Lethbridge.....	170,746	24,480	387,918	83,546	1,752	25,144	693,586	80,678	27,045	14,714	4,017	776,667
Magrath.....	2,539						2,539					2,539
Milk River.....	6,148					367	6,515			29		6,544
Taber.....	9,591	1,023	9,384	7,604	323	4,192	32,117	13,872	430	5,649	938	43,203
Bow Island.....	4,614						4,614	3		216	10	4,801
Medicine Hat.....	6,491		8,659	41		412	15,603	548		657		16,808
Aldersyde.....	8,840						8,840			287		9,127
High River.....	1,404						1,404	13	450	20		1,821
Drumheller.....	225,910	11,922	436,733	255,327	3,957	780	934,629	43,379	6,648	16,545	2,747	992,456
Big Valley.....	13,749		40,740	809		42	55,340	1,708		456		57,479
Brooks.....	14,258	223					14,481	111		189	25	14,781
Hanna.....	27,770	86	3,932	310			32,098	427	43	538		33,099
Lacombe.....	14,594		166				14,760		49	99	30	14,878
Trochu.....	15,307	73	1,292	885			17,557	911	706	1,364	101	20,346
Three Hills.....	15,049	258	2,241	9,230			26,768	3,196	505	2,046	525	31,394
Carbon.....	11,300		349	115			11,764		10	1,196		12,960
Battle River.....	18,681						18,681			969		19,650
Camrose.....	42,308		15,175	4,496			61,979	1,801		4,841		68,621
Tofield.....	31,734	150	15,913	1,547			49,344	841		284		50,469
Clover Bar.....	293,227	562	28,951	14,118	591		337,449	24,747	50	1,272	302	363,077
Edmonton.....	81,966		36				82,002	4,993		401		87,396
Namoo.....	7,117		110				7,227	597		35		7,859
Cardiff.....	113,663	33	11,018	1,472			126,186	8,355		950		135,491
Wabamun.....	11,164	2,289	9,707	2,797			25,957	1,066	300			27,323
Pembina.....	45,693	10,638	34,995	26,169	205		117,700	12,219	3,253	6,222		136,242
Total.....	1,199,380	51,904	1,007,393	408,456	6,828	33,085	2,707,046	199,496	39,532	59,137	15,692	2,943,141

The following table indicates how the total output of BITUMINOUS Coal from the Province was disposed of:

District	Sold for Consumption in							Total Sales	Used under Colliery Boilers	Put to Stock	Put to Waste	Lifted from Stock	Lifted from Waste	Total Output for year, including put to stock and or waste.
	Alberta	British Columbia	Saskatchewan	Manitoba	Ontario	United States	Railroad							
Crow's Nest Pass.....	110,707	20,120	74,351	34,197	2,977	100,300	880,102	1,202,754	64,084	11,313	2,499	8,208	261	1,272,181
Canmore.....	18,050	1,770	5,282	158	.....	.....	165,924	191,184	14,663	6,641	.....	6,221	.....	206,267
Brazeau.....	19,393	60	8,278	14,230	30	30	426,384	468,405	10,758	5,511	.....	4,939	.....	479,735
Jasper Park.....	33,918	4,266	.....	.....	.....	.....	206,265	244,449	12,258	1,354	3,000	2,970	.....	258,091
Yellowhead.....	21,691	24,027	28,999	18,478	63	.....	199,635	292,823	7,331	1,301	423	365	15	301,568
Mountain Park.....	6,175	11,467	167,105	19,485	.....	.....	158,134	362,366	13,162	4,010	.....	.....	.....	379,538
Total.....	209,934	61,710	284,015	86,548	3,070	100,330	2,016,444	2,762,051	122,256	30,130	5,922	22,703	276	2,897,380

The following table indicates how the total output of ANTHRACITE Coal and BRIQUETTES was disposed of:

	Sold for Consumption in								Used		Put to Stock	Put to Waste	Lifted from Stock	Lifted from Waste	Total Output for year, including put to stock and waste, but not lifted from stock or waste.
	Alberta	British Columbia	Yukon	Manitoba	Ontario	United States	Railroad	Total Sales	Making Briquettes	Under Colliery Boilers					
Anthracite .....	6,547	2,475	3,033	384	.....	408	6,760	19,607	57,213	20,787	835	8,651	10,419	.....	96,674
Briquettes .....	5,897	1,725	6,327	2,515	.....	15	46,016	61,230	.....	27	2,381	.....	2,417	.....	62,466

The following table indicates how the total output of DOMESTIC Coal was disposed of by months during 1921:

Months	Sold for Consumption in						Used under Colliery Boilers	Put to Stock	Put to Waste	Lifted from Stock	Lifted from Waste	Total Output for year, including put to stock and waste, lifted from stock or waste.
	Alberta	British Columbia	Saskatchewan	Manitoba	Ontario	United States	Total Sales					
January.....	136,217	5,122	68,321	40,443	903	644	251,680	3,464	4,329	1,238	1,186	274,902
February.....	106,148	2,724	58,277	26,630	237	2,477	196,493	2,010	3,743	6,445	1,154	209,799
March.....	99,405	2,657	52,778	27,656	522	3,544	186,562	1,207	3,444	5,818	1,724	200,088
April.....	59,333	1,302	58,320	14,223	77	4,349	138,104	2,330	2,318	5,340	1,013	151,241
May.....	49,022	897	33,936	12,151	197	1,024	97,227	5,132	1,883	1,803	1,453	114,526
June.....	49,203	2,211	57,082	19,201	109	2,827	130,633	1,908	2,504	2,415	127	145,344
July.....	53,121	2,489	86,756	32,643	346	1,315	176,670	3,247	4,094	5,905	130	194,634
August.....	99,005	4,512	150,680	56,657	869	3,120	314,843	3,003	9,249	1,857	262	343,629
September.....	103,996	6,708	84,341	32,750	505	3,746	232,046	5,209	6,267	1,937	3,712	255,255
October.....	133,113	7,039	109,794	48,180	1,110	5,240	304,476	3,473	6,664	4,693	1,491	326,783
November.....	171,609	8,829	156,303	58,585	952	3,538	399,816	5,344	9,356	2,454	2,316	430,065
December.....	139,208	7,414	90,275	39,337	1,001	1,261	278,496	3,205	5,286	6,773	1,104	296,925
Total.....	1,199,380	51,904	1,007,393	408,456	6,828	33,085	2,707,046	39,532	59,137	46,378	15,692	2,943,141

## THE MINES BRANCH

The following table indicates how the total output of BITUMINOUS Coal was disposed of by months during 1921:

Months	Sold for Consumption in						Used under Colliery Boilers	Put to Stock	Put to Waste	Lifted from Stock	Lifted from Waste	Total Output in-cludes put to stock and waste, but not lifted from stock or waste.
	Alberta	British Columbia	Saskatchewan	Manitoba	Ontario	United States	Railroads	Total Sales				
January.....	21,161	4,723	16,958	11,253	.....	4,809	201,714	260,618	2,618	870	1,183	274,945
February.....	20,206	3,272	17,933	7,636	.....	4,517	183,225	236,849	2,057	897	1,161	249,581
March.....	20,848	4,042	15,197	4,838	77	7,024	158,501	210,527	4,080	1,007	1,330	225,729
April.....	23,704	4,538	9,192	1,984	1,335	5,762	112,142	158,657	2,331	944	2,789	169,277
May.....	16,280	5,276	7,517	1,571	1,565	6,042	121,657	159,908	1,630	380	3,327	167,758
June.....	12,487	3,472	13,610	5,035	.....	1,423	125,473	161,500	1,920	224	1,235	171,334
July.....	12,717	3,845	21,988	13,653	.....	5,874	161,569	219,646	1,886	402	1,479	229,230
August.....	26,261	3,856	47,392	22,574	63	8,300	190,065	298,511	1,198	285	1,826	308,070
September.....	17,544	4,846	32,640	5,014	.....	2,814	192,405	255,263	2,535	301	145	267,562
October.....	9,016	6,292	34,071	3,636	30	14,897	174,491	242,433	3,210	186	3,874	250,956
November.....	15,840	9,099	38,218	4,119	.....	15,479	184,700	267,455	3,255	246	2,566	278,920
December.....	13,870	8,449	29,239	5,235	.....	23,389	210,502	290,684	3,410	180	1,788	304,318
Total.....	209,934	61,710	284,015	86,548	3,070	100,330	2,016,444	2,702,051	30,130	5,922	22,703	2,897,380



The following table shows the total output of DOMESTIC Coal in districts during each month:

Districts	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Total
Pincher Creek.	738	537	348	8	119	236	149	593	1,141	2,105	1,014	1,112	8,100
Lethbridge....	50,609	41,333	50,035	54,712	49,999	82,782	72,224	92,754	57,237	80,215	92,000	52,767	776,667
Magrath.....	188	55	124	100	68	93	89	178	277	594	465	308	2,539
Milk River....	551	463	400	179	175	238	233	344	649	1,455	1,131	726	6,544
Taber.....	2,696	2,344	1,858	931	365	591	3,243	10,819	3,573	5,947	6,452	4,384	43,203
Bow Island....	333	215	282	175	100	108	58	130	540	1,552	800	508	4,801
Medicine Hat.	1,047	1,109	548	49	23	20	43	1,005	1,700	3,885	3,839	3,540	16,808
Aldersyde....	678	462	592	343	338	335	292	325	856	2,207	1,533	1,166	9,127
High River...	205	343	219	71	...	...	39	20	127	178	72	547	1,821
Drumheller...	82,449	64,358	54,708	37,091	26,566	28,672	80,719	156,817	94,122	113,186	161,379	92,389	992,456
Big Valley....	6,789	7,151	5,687	2,955	1,911	280	3,921	5,642	7,497	3,520	6,397	5,524	57,479
Brooks.....	1,477	1,263	1,075	485	464	481	455	768	1,286	2,811	1,612	2,604	14,781
Hanna.....	2,071	1,650	1,330	2,308	495	622	567	927	2,651	8,341	9,240	2,897	33,099
Lacombe.....	1,867	1,559	1,469	272	136	105	58	227	781	2,658	3,815	1,931	14,878
Trochu.....	3,028	1,671	1,270	363	626	414	956	1,337	1,895	3,044	3,285	2,457	20,346
Three Hills...	4,906	2,444	1,932	636	437	498	663	2,577	4,588	3,938	4,671	4,104	31,394
Carbon.....	1,284	1,159	734	107	266	164	266	524	493	1,624	2,519	3,820	12,960
Battle River..	3,558	2,598	1,281	59	65	119	80	142	434	3,144	4,375	3,605	19,660
Camrose.....	9,122	6,178	3,991	2,785	1,792	1,597	748	4,899	6,463	7,880	11,794	11,794	68,621
Tofield.....	6,527	4,974	1,947	1,421	1,169	927	1,067	1,714	3,021	5,303	11,682	10,717	50,469
Clover Bar....	47,442	33,682	32,032	17,026	12,098	11,876	13,483	30,341	32,806	34,366	51,973	45,932	363,077
Edmonton....	13,843	10,673	10,070	5,095	3,416	2,102	2,037	3,642	5,494	7,386	11,326	12,312	87,396
Namoo.....	2,258	1,470	460	...	...	24	...	...	18	...	2,198	1,431	7,859
Cardiff.....	14,584	9,856	12,572	9,877	7,328	5,301	6,477	11,585	10,260	13,140	18,469	16,042	135,491
Wabamun....	2,610	1,368	1,414	720	357	1,005	976	2,940	3,115	4,192	4,071	4,495	27,323
Pembina.....	14,042	10,884	13,660	13,473	6,213	6,694	5,791	13,379	14,231	13,907	13,753	10,215	136,242
Total.....	274,902	209,799	200,038	151,241	114,526	145,344	194,634	343,629	255,255	326,783	430,065	296,925	2,943,141



The following table shows the total output of BITUMINOUS Coal in Districts during each month:

Districts	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Total
Crow's Nest P.	123,397	106,972	81,207	61,504	97,401	96,423	104,061	139,354	107,030	118,995	120,446	115,391	1,272,181
Canmore . . . .	15,926	17,346	14,015	11,783	13,775	17,119	16,985	20,943	22,413	19,613	18,543	17,806	206,267
Brazeau . . . . .	48,952	49,509	55,509	37,051	15,809	16,273	35,592	45,683	50,133	36,120	40,022	49,082	479,735
Jasper Park . . .	26,976	23,326	11,735	18,091	12,262	7,920	17,734	24,656	22,166	23,648	33,853	35,724	258,091
Yellowhead . . .	32,600	32,659	32,757	22,384	15,394	16,165	21,698	31,878	23,265	8,808	19,154	44,806	301,568
Mountain Park . .	26,794	19,769	30,506	18,464	13,117	17,434	33,160	45,556	42,555	43,772	46,902	41,509	379,538
Total . . . . .	274,645	249,581	225,729	169,277	167,758	171,334	229,230	308,070	267,562	250,956	278,920	304,318	2,897,380

The following table shows the total output of ANTHRACITE Coal during the year:

Districts	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Total
Banff . . . . .	9,219	6,106	8,654	9,772	5,378	6,973	8,635	6,072	8,244	10,652	8,353	8,616	96,674

The following table shows the total output of COAL and BRIQUETTES during the year:

	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Total
Coal . . . . .	558,766	465,486	434,421	330,290	287,662	323,651	432,499	657,771	531,081	588,391	717,338	609,859	5,937,195
Briquettes . . . .	5,213	2,767	5,322	5,999	3,804	4,658	6,047	4,171	5,810	7,584	5,836	5,255	62,466

(NOTE.—There was no Coke produced during the year 1921.

## THE MINES BRANCH

The following table shows the total output of DOMESTIC Coal disposed of as LUMP Coal during each month:

Districts	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Total
Pincher Creek.	217	210	141	8	27	75	25	53	114	286	313	196	1,665
Lethbridge.	37,879	30,247	34,285	34,171	31,794	58,170	53,608	68,701	40,682	60,416	68,020	39,431	557,404
Magrath.	180	55	124	100	46	75	60	178	275	592	355	306	2,346
Milk River.	246	181	170	94	98	70	99	236	609	826	531	380	3,540
Taber.	1,337	860	693	320	190	239	1,727	5,979	1,883	3,373	2,811	2,026	21,438
Bow Island.	238	149	187	114	94	95	52	123	443	1,395	679	419	3,988
Medicine Hat.	659	673	14	2	...	...	...	386	1,045	1,766	1,799	1,852	8,196
Aldersyde.	428	249	294	188	172	202	153	138	422	1,121	854	646	4,867
High River.	...	...	...	...	...	...	...	...	...	...	...	173	173
Drumheller.	54,298	40,906	35,057	22,025	14,454	18,214	52,507	107,424	66,638	18,741	111,948	63,083	665,295
Big Valley.	1,237	501	289	48	73	5	705	1,592	1,612	1,316	3,299	1,888	12,565
Brooks.	893	811	581	261	222	283	314	518	830	2,032	944	2,085	9,772
Hanna.	1,153	804	486	216	158	136	131	302	897	4,806	6,114	1,193	16,396
Lacombe.	465	388	221	8	...	25	...	17	163	985	1,771	965	5,008
Trochu.	1,025	282	339	192	150	92	540	542	776	1,214	933	710	6,800
Three Hills.	3,243	1,698	1,260	430	258	367	506	1,742	3,176	3,038	3,384	2,949	22,051
Carbon.	645	685	425	47	105	84	129	227	31	862	1,464	2,499	7,203
Battle River.	535	297	110	8	2	...	...	...	26	1,280	1,548	1,312	5,118
Camrose.	4,596	3,108	1,324	985	797	225	379	2,568	3,354	4,071	6,258	6,702	34,367
Tofield.	6,327	4,879	1,779	1,156	832	666	882	1,694	2,877	5,238	11,531	10,429	48,290
Clover Bar.	26,225	18,473	12,850	5,230	3,950	3,368	5,171	13,629	17,195	18,031	28,180	24,840	177,142
Edmonton.	6,898	4,970	3,463	1,262	741	393	406	956	1,810	2,555	4,684	5,468	33,606
Namoo.	910	535	211	...	...	...	...	...	...	...	968	479	3,103
Cardiff.	6,781	4,373	4,301	1,057	218	197	381	4,455	4,526	5,703	7,975	7,422	47,389
Wabamun.	648	291	316	26	10	148	70	379	277	715	900	439	4,219
Pembina.	2,987	2,379	2,106	754	1,674	2,854	2,288	5,145	3,805	3,909	6,215	3,035	37,181
Total	160,048	118,009	101,026	68,702	56,065	85,983	120,133	216,984	153,466	204,301	273,478	180,927	1,739,122

The following table shows the total output of DOMESTIC Coal disposed of as Mine Run Coal during each month.

Districts	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Total
Pincher Creek...	85	64	126	...	29	24	98	384	774	1,380	331	575	3,870
Lethbridge...	224	901	2,368	5,344	144	2	...	370	599	72	364	266	10,654
Magrath...	8	...	...	...	22	18	29	...	2	2	110	2	193
Milk River...	290	279	223	82	75	168	134	108	40	629	331	331	2,945
Taber...	531	676	510	338	110	174	157	478	363	517	443	576	4,873
Bow Island...	61	41	60	45	...	...	...	...	69	57	68	46	453
Medicine Hat...	77	93	517	44	20	16	40	191	292	1,237	1,098	886	4,511
Aldersyde...	177	173	254	133	138	116	132	181	395	962	596	451	3,708
High River...	185	343	219	71	...	...	39	20	127	178	72	369	1,623
Drumheller...	385	330	298	138	762	208	293	720	411	398	2,144	2,508	8,595
Big Valley...	5,218	6,294	4,972	2,732	1,569	225	3,041	3,500	5,640	2,115	1,963	3,048	40,317
Brooks...	582	452	491	224	211	195	141	239	456	778	668	289	4,726
Hanna...	481	421	501	1,964	175	205	195	333	671	1,874	1,078	808	8,706
Lacombe...	1,225	1,039	1,048	264	132	80	58	168	592	1,390	1,881	876	8,690
Trochu...	1,372	1,111	829	42	257	220	218	527	861	1,348	1,597	1,302	9,684
Three Hills...	33	21	34	3	...	...	...	...	24	44	77	136	372
Carbon...	459	225	220	17	66	24	42	109	151	202	671	153	2,339
Battle River...	2,838	2,139	1,113	46	58	114	75	142	398	1,630	2,663	2,085	13,301
Camrose...	1,130	579	466	384	190	337	122	178	463	105	420	502	4,876
Tofield...	...	...	98	255	337	246	185	...	104	...	41	198	1,464
Clover Bar...	22	105	2,360	4,280	3,278	2,943	2,376	3,019	191	59	64	85	18,782
Edmonton...	87	230	8	...	...	20	17	...	86	242	591	570	1,851
Namoo...	79	126	52	...	...	24	...	...	18	...	500	403	1,202
Cardiff...	525	1,128	3,456	6,492	5,260	3,761	4,619	2,962	567	736	1,252	811	31,569
Wabamun...	64	87	79	...	95	134	34	145	...	...	...	...	638
Pembina...	...	5,459	7,805	10,488	...	...	...	...	...	...	...	6	23,758
Total.....	16,138	22,316	28,107	33,386	12,928	9,260	12,045	13,774	13,143	15,955	19,278	17,282	213,700

## THE MINES BRANCH

The following table shows the total output of DOMESTIC Coal disposed of as Nut Coal during each month:

Districts	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Total
Pincher Creek	36	36				8	7,045	11,472	29	61	47	34	259
Lethbridge	4,558	4,099	4,401	5,145	8,059	8,918			7,053	8,326	10,624	4,445	84,145
Magrath				3	2								30
Milk River	15	3	7	48	4		453	1,605	352	671	1,080	576	5,330
Taber	211	174	106	9		50				25	5	7	64
Bow Island	10	5	9	2		1			348	611	278	676	2,930
Medicine Hat	290	322						405	23	80	19	32	185
Aldersyde	8	4	6		2	11							
High River							13,965	19,845	14,141	16,807	24,170	12,544	149,862
Drumheller	12,113	9,438	9,414	7,840	6,367	3,218				39	793	402	1,266
Big Valley	32							10					10
Brooks					150	229	228	259	1,009	1,461	1,402	248	6,136
Hanna	336	379	318	117				31	66	227	117	90	908
Lacombe	127	100	150				140	182	156	310	320	290	2,049
Trochu	334	105	32	32	85	63	61	433	619	434	523	561	4,253
Three Hills	835	344	291	86	23	43	71	145	267	406	192	734	2,069
Carbon		108		32	61	53				76	118	50	244
Battle River								1,379	2,066	2,167	3,167	2,742	20,271
Camrose	2,481	1,841	1,723	1,140	603	816	163	15	25	20	60	55	431
Tofield	110	60	50	6		10		5,544	7,407	8,031	12,174	9,978	78,847
Clower Bar	9,458	6,669	8,881	3,792	2,274	2,578	2,061						
Edmonton	3,243	2,550	4,100	2,122	1,460	996	949	1,640	2,237	2,498	3,303	3,493	28,591
Namoo	740	339	187								487	223	1,976
Cardiff	3,813	2,142	2,463	849	696	511	602	1,965	2,350	2,831	3,680	3,337	25,239
Wabamun	862	684	672	415	252	526	648	1,689	1,989	2,351	2,048	2,979	15,115
Pembina	8,769	1,153	1,486	771	3,604	2,662	2,135	5,317	8,182	8,243	5,707	5,909	53,938
Total	48,381	30,555	34,296	22,400	23,642	20,693	28,521	51,944	48,319	55,678	70,314	49,405	484,148

The following table shows the total output of DOMESTIC Coal disposed of as Slack Coal during each month:

Districts	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Total
Pincher Creek.	400	227	81	...	63	129	26	148	224	378	323	307	2,306
Lethbridge....	7,948	6,086	8,981	10,052	10,002	15,692	11,571	12,211	8,903	11,401	12,992	8,625	124,464
Magrath.....	...	...	...	...	...	...	...	...	...	...	...	...	...
Milk River....	...	...	...	...	...	...	...	...	...	...	...	...	...
Taber.....	617	634	549	225	61	128	906	2,757	975	1,386	14	15	11,562
Bow Island....	24	20	26	14	6	6	6	7	28	75	48	36	296
Medicine Hat..	21	21	17	3	3	4	3	23	15	271	664	126	1,171
Aldersyde....	65	36	38	22	26	6	7	6	16	44	64	37	367
High River....	20	...	...	...	...	...	...	...	...	...	...	5	25
Drumheller...	15,653	13,684	9,939	7,088	4,983	7,032	13,954	28,828	12,932	17,240	23,117	14,254	168,704
Big Valley....	302	356	426	175	269	50	175	550	245	255	342	186	3,331
Brooks.....	4	...	3	...	31	3	...	...	...	1	...	230	273
Hanna.....	101	46	25	11	12	52	13	33	74	200	646	648	1,861
Lacombe.....	50	32	50	...	4	...	...	11	23	56	46	...	272
Trochu.....	297	168	70	97	134	39	58	86	102	172	435	155	1,813
Three Hills...	795	381	347	117	156	88	96	402	769	422	687	458	4,718
Carbon.....	180	141	89	11	34	3	24	43	44	154	192	434	1,349
Battle River..	185	162	58	5	5	5	5	...	10	158	246	158	997
Camrose.....	915	650	478	276	202	219	84	774	580	1,554	1,949	1,426	9,107
Tofield.....	90	35	20	4	...	5	...	5	15	25	50	35	284
Clover Bar....	11,737	8,435	7,941	3,724	2,596	2,987	3,875	8,149	8,013	8,245	11,555	11,049	88,306
Edmonton....	3,615	2,923	2,499	1,711	1,215	693	665	1,046	1,361	2,091	2,748	2,781	23,348
Namoo.....	529	470	10	...	...	...	...	...	...	243	243	326	1,578
Cardiff.....	3,465	2,213	2,352	1,479	1,154	832	875	2,203	2,817	3,870	5,562	4,472	31,294
Wabamun....	1,036	306	347	279	...	257	224	727	849	1,126	1,123	1,077	7,351
Pembina.....	2,286	1,893	2,263	1,460	935	1,178	1,368	2,917	2,244	1,725	1,831	1,265	21,365
Total.....	50,335	38,919	36,609	26,753	21,891	29,408	33,935	60,927	40,239	50,849	66,995	49,311	506,171

The following table shows the total output of BITUMINOUS Coal disposed of as Lump Coal during each month:

Districts	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Total
Crow's Nest P.	1,150	1,071	803	428	422	868	1,578	3,412	2,727	2,920	1,526	1,442	18,347
Canmore.....	2,245	1,548	1,122	557	350	1,04	164	172	85	80	45	.....	804
Brazeau.....	2,704	1,841	1,363	642	370	1,494	1,952	3,431	2,628	1,497	4,215	3,316	25,513
Jasper Park....	370	359	166	84	70	166	448	896	935	373	226	426	4,519
Yellowhead....													
Mountain Park													
Total.....	6,529	4,819	3,454	1,711	1,316	4,223	4,142	7,911	8,722	5,811	8,530	7,332	64,500

The following table shows the total output of BITUMINOUS Coal disposed of as Mine Run Coal during each month:

Crow's Nest P.	112,985	98,241	73,486	54,292	89,800	87,476	93,735	120,110	99,897	108,644	111,738	107,831	1,158,235
Canmore.....	15,679	17,140	13,757	11,627	13,594	16,746	16,709	20,174	22,076	19,401	18,127	17,312	202,342
Brazeau.....	45,018	46,031	53,496	36,272	15,291	14,051	34,723	44,246	46,164	34,605	35,784	45,437	451,118
Jasper Park....	26,355	22,683	10,967	17,323	12,062	7,920	17,734	24,656	22,166	23,648	33,853	35,724	255,091
Yellowhead....	27,302	29,672	29,733	17,585	10,437	9,463	16,232	24,245	18,498	6,003	8,784	37,046	234,900
Mountain Park	26,424	19,410	30,308	18,349	13,047	17,268	32,712	44,680	41,620	43,399	46,676	41,083	374,956
Total.....	253,763	233,077	211,747	155,448	154,231	152,924	211,845	278,091	250,421	235,700	254,962	284,433	2,676,642

The following table shows the total output of BITUMINOUS Coal disposed of as Nut Coal during each month:

Crow's Nest P.	2,899	2,197	3,457	739	902	1,105	1,165	3,844	1,158	1,146	1,301	940	20,853
Canmore.....	247	206	258	156	77	68	112	597	252	132	327	494	2,926
Brazeau.....	150	.....	.....	.....	.....	.....	.....	.....	.....	33	.....	.....	183
Jasper Park....	.....	643	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	643
Yellowhead....	1,845	791	852	359	4,502	1,108	2,067	2,695	1,423	1,056	3,077	2,462	22,237
Mountain Park	.....	.....	32	31	.....	.....	.....	.....	.....	.....	.....	.....	63
Total.....	5,141	3,837	4,599	1,285	5,481	2,281	3,344	7,136	2,833	2,367	4,705	3,896	46,905

The following table shows the total output of BITUMINOUS Coal disposed of as Slack Coal during each month

Districts	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Total
Crow's Nest P.	6,363	5,463	3,461	6,045	6,277	6,974	7,583	11,988	3,248	6,285	5,881	5,178	74,746
Canmore.....	1,539	1,930	891	222	168	151	869	1,437	1,622	511	44	195	13,087
Brazee.....	621	768	768	3,798	200	681	1,447	1,507	716	252	3,078	1,982	2,857
Yellowhead.....	689	455	809	.....	85	4,100	.....	.....	.....	.....	.....	.....	18,918
Mountain Park.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Total.....	9,212	7,848	5,929	10,833	6,730	11,906	9,899	14,932	5,586	7,048	10,723	8,657	109,303

The following table shows the output of ANTHRACITE Coal disposed of as Lump Coal during each month:

Banff.....	1,355	794	1,142	1,359	644	802	1,066	669	767	1,225	988	1,133	11,924
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The following table shows the output of ANTHRACITE Coal disposed of as Nut Coal during each month:

Banff.....	3,010	2,303	2,615	3,178	1,188	1,367	2,111	1,788	2,334	3,248	2,731	2,971	28,844
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The following table shows the output of ANTHRACITE Coal disposed of as Slack Coal during each month:

Banff.....	4,854	3,009	4,897	5,235	3,546	4,804	5,458	3,615	5,143	6,179	4,634	4,512	55,886
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## THE MINES BRANCH

The following table shows the total sales of DOMESTIC Coal in Districts during each month:

Districts	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Total
Pincher Creek.	613	537	348	46	119	236	107	587	1,131	2,093	982	1,107	7,906
Lethbridge.	41,766	40,485	46,875	50,253	39,642	74,803	64,309	82,545	47,127	75,000	81,709	49,072	693,586
Magrath.	188	55	124	100	68	93	89	178	277	594	465	308	2,539
Milk River.	551	463	400	179	175	238	233	344	649	1,455	1,117	711	6,515
Taber.	2,171	1,619	1,400	706	304	463	2,337	7,770	3,025	4,633	4,404	3,225	32,117
Bow Island.	314	199	262	163	128	102	54	127	529	1,493	765	478	4,614
Medicine Hat.	966	1,009	512	45	19	15	39	955	1,621	3,535	3,582	3,305	15,603
Aldersyde.	639	439	567	333	328	329	285	319	840	2,163	1,469	1,129	8,840
High River.	185	176	49	89	...	21	39	...	78	178	72	517	1,404
Drumheller.	77,659	60,292	52,350	34,055	23,362	26,569	75,426	149,010	89,053	106,224	153,652	86,977	934,629
Big Valley.	6,654	7,026	5,567	2,840	1,813	230	3,786	5,067	7,317	3,520	6,217	5,308	55,340
Brooks.	1,474	1,260	1,073	484	433	481	453	756	1,285	2,802	1,609	2,371	14,481
Hanna.	1,978	1,588	1,277	2,255	483	600	531	885	2,570	8,169	9,001	2,761	32,098
Lacombe.	1,857	1,557	1,464	258	136	105	58	227	780	2,602	3,785	1,931	14,760
Trochu.	2,633	1,550	1,200	266	528	375	898	1,251	1,663	2,120	2,741	2,332	17,557
Three Hills.	4,292	2,113	1,619	549	281	314	633	2,119	3,746	3,516	3,982	5,604	26,768
Carbon.	1,104	1,018	645	96	254	161	242	481	449	1,470	2,387	3,457	11,764
Battle River.	3,378	2,436	1,249	54	60	114	75	137	405	2,986	4,331	3,437	18,681
Camrose.	8,731	5,875	3,765	2,539	1,675	1,394	677	4,197	6,005	6,737	10,079	10,305	61,979
Tofield.	6,397	4,899	1,872	1,386	1,119	802	937	1,579	2,916	5,233	11,577	10,627	49,344
Clover Bar.	44,506	31,112	29,474	15,273	10,728	10,643	11,582	8,214	30,760	32,259	49,428	43,470	337,449
Edmonton.	12,858	9,821	9,412	4,457	3,086	1,822	1,745	3,362	5,274	7,156	11,030	11,949	82,002
Namoo.	1,948	1,243	450	...	...	24	...	...	18	...	2,139	1,405	7,227
Cardiff.	13,556	9,066	11,655	9,021	6,736	4,707	5,778	10,851	9,540	12,417	17,653	15,206	126,186
Wabamun.	2,430	1,308	1,324	690	327	1,005	904	2,836	3,015	4,102	3,981	4,035	25,957
Pembina.	12,832	9,347	11,634	11,937	5,423	4,987	5,453	11,046	11,954	12,019	11,599	9,469	117,700
Total.	251,680	196,493	186,562	138,104	97,227	130,633	176,670	314,843	232,046	304,476	399,816	278,496	2,707,046



The following table shows the total sales of BITUMINOUS Coal in Districts during each month:

Districts	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Total
Crow's Nest P.	116,283	99,944	73,027	56,901	93,934	89,454	99,834	134,533	101,524	113,783	115,311	108,226	1,202,754
Canmore .....	14,444	16,427	12,254	10,018	13,384	16,375	15,580	20,091	20,713	18,093	17,413	16,392	191,184
Brazeau .....	47,456	48,366	54,541	36,604	15,230	15,666	34,297	45,329	48,770	35,163	38,815	48,168	468,405
Jasper Park .....	25,126	21,434	9,458	15,934	10,495	7,879	16,972	23,736	21,348	25,041	32,693	34,333	244,449
Yellowhead .....	31,763	32,093	31,977	21,707	14,957	15,782	20,851	31,087	22,214	8,423	18,289	43,750	292,893
Mountain Park	25,546	18,585	29,270	17,493	11,908	16,344	32,112	43,735	40,694	41,930	44,934	39,815	362,336
Total .....	260,618	236,849	210,527	158,657	159,908	161,500	219,646	298,511	255,263	242,433	267,455	290,684	2,762,051

The following table shows the total sales of ANTHRACITE Coal and BRIQUETTES for the year by months:

	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Total
Banff .....	2,024	1,479	1,820	2,379	1,016	1,339	1,522	998	1,284	2,084	1,730	1,932	19,607
Briquettes .....	4,875	3,210	5,351	6,014	3,321	4,965	4,960	5,255	5,966	7,353	5,432	5,429	61,230

NOTE.—There was no Coke produced during the year.

## THE MINES BRANCH

The following table shows the total amount of DOMESTIC Coal sold each month for consumption in Alberta:

Districts	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Total
Pincher Creek.	613	537	290	46	119	236	74	244	520	1,132	861	845	5,517
Lethbridge....	11,446	12,223	13,743	10,390	12,265	15,930	13,482	17,381	14,708	18,448	18,532	12,198	170,746
Magrath.....	188	55	124	100	68	93	89	178	277	594	465	308	2,539
Milk River....	538	454	395	174	169	238	227	289	632	1,370	1,034	628	6,148
Taber.....	1,007	712	825	470	304	135	254	770	1,049	1,715	1,325	1,025	9,591
Bow Island....	314	199	262	163	128	102	54	127	529	1,493	765	478	4,614
Medicine Hat..	152	256	174	45	19	15	39	227	906	2,519	1,374	765	6,491
Aldersyde.....	639	439	567	333	328	329	285	319	804	2,163	1,469	1,129	8,840
High River....	185	176	49	89	.....	21	39	.....	78	178	72	517	1,404
Drumheller...	20,103	18,935	16,882	9,959	8,096	8,328	14,622	33,128	23,019	23,274	30,095	19,469	225,910
Big Valley....	1,672	1,833	1,172	273	1,545	230	232	357	919	1,429	1,417	2,670	13,749
Brooks.....	1,474	1,260	1,073	484	433	258	453	756	1,285	2,802	1,609	2,371	14,258
Hanna.....	1,848	1,588	1,247	1,464	483	600	531	795	2,540	7,779	7,455	2,440	27,770
Lacombe.....	1,857	1,557	1,464	258	136	105	58	227	780	2,602	3,784	1,766	14,594
Trochu.....	2,338	1,345	1,005	266	430	216	835	955	1,532	2,024	2,601	1,760	15,307
Three Hills...	1,725	1,311	1,283	474	251	247	363	1,200	2,286	2,130	1,930	1,849	15,049
Carbon.....	1,104	1,018	645	96	25	161	242	481	449	1,401	2,387	3,062	11,300
Battle River...	3,378	2,436	1,249	54	60	114	75	137	424	2,986	4,331	3,437	18,681
Camrose.....	6,460	3,856	2,879	1,748	1,187	1,081	519	2,123	4,098	4,649	7,907	5,801	42,308
Tofield.....	4,599	4,042	1,518	1,325	990	697	731	707	1,411	2,476	5,307	7,931	31,734
Clover Bar....	39,728	28,423	26,931	14,056	9,484	9,201	9,522	21,689	25,820	27,281	42,095	38,997	293,227
Edmonton.....	12,858	9,821	9,412	4,487	3,086	1,822	1,745	3,362	5,274	7,156	11,030	11,913	81,966
Namoo.....	1,948	1,243	450	.....	.....	24	.....	.....	18	.....	2,064	1,370	7,117
Cardiff.....	11,783	8,206	11,203	8,920	6,694	4,606	5,466	8,742	8,503	10,408	15,736	13,396	113,663
Wabamun.....	1,474	700	818	500	148	423	189	912	1,213	1,628	1,845	1,314	11,164
Pembina.....	6,786	3,523	3,745	4,159	2,345	3,991	2,995	3,899	4,886	3,476	4,119	1,769	45,693
Total.....	136,217	106,148	99,405	59,333	49,022	49,203	53,121	99,005	103,996	133,113	171,609	139,208	1,199,380

The following table shows the total amount of DOMESTIC Coal sold during each month for consumption in British Columbia:

Districts	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Total
Pincher Creek.	1,939	1,429	1,220	593	407	962	1,524	2,337	3,511	3,068	3,848	3,642	167 24,480
Lethbridge.	93	168					32	33	223	363	78	33	1,023
Magrath.													
Milk River.													
Taber.													
Bow Island.													
Medicine Hat.													
Aldersyde.													
High River.	1,299	678	368	173	304	896	607	1,196	1,279	1,677	2,000	1,445	11,922
Drumheller.						223							223
Big Valley.													86
Brooks.											86		
Hanna.													
Lacombe.					33							40	73
Trochu.							32		193	33			258
Three Hills.													
Carbon.													
Battle River.													
Camrose.													
Tofield.						100	31	33	33	62	150	69	150 562
Clover Bar.	32	33		98									
Edmonton.													
Namoo.			33										33
Cardiff.	165	234					167	216	74	98	555	780	2,289
Wabamun.	1,594	182	1,036	438	153	30	96	697	1,395	1,648	1,964	1,405	10,638
Pembina.													
Total.....	5,122	2,724	2,657	1,302	897	2,211	2,489	4,512	6,708	7,039	8,829	7,414	51,904

## THE MINES BRANCH

The following table shows the total amount of DOMESTIC Coal sold for consumption in Saskatchewan during each month:

Districts	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Total
Pincher Creek.	20,007	17,237	19,413	29,178	20,868	43,747	39,640	52,897	24,203	43,062	44	30	74
Lethbridge.	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	27,094	387,918
Magrath.	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Milk River.	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Taber.	769	410	340	190	.....	183	727	2,504	608	1,228	1,153	1,272	9,384
Bow Island.	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Medicine Hat.	773	680	338	.....	.....	.....	.....	728	715	1,016	2,208	2,201	8,659
Aldersyde.	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
High River.	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Drumteller.	30,763	26,005	20,771	16,985	9,393	11,052	39,594	77,700	38,971	48,429	78,075	38,995	436,733
Big Valley.	4,491	5,072	4,358	2,535	231	.....	3,416	4,710	6,398	2,091	4,800	2,638	40,740
Brooks.	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Hanna.	.....	.....	.....	1,791	.....	.....	.....	30	.....	360	1,430	321	3,932
Lacombe.	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Trochu.	33	45	98	.....	65	99	63	100	131	96	1	165	166
Three Hills.	32	64	.....	.....	.....	.....	33	33	912	172	597	422	1,292
Carbon.	.....	.....	.....	.....	.....	.....	.....	.....	.....	69	.....	398	2,241
Battle River.	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	280	349
Camrose.	2,131	1,953	856	761	178	313	127	1,317	1,224	775	1,552	3,988	15,175
Tofield.	1,630	762	323	61	129	105	167	808	1,474	2,369	5,719	2,366	15,913
Clover Bar.	2,857	2,048	1,583	683	911	747	1,568	4,264	3,777	2,994	4,703	2,816	28,951
Edmonton.	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	36	36
Namoo.	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	35	110
Cardiff.	1,735	860	419	101	42	69	96	1,731	815	1,829	75	1,678	11,018
Wabamun.	386	139	367	148	113	458	514	1,100	1,493	2,115	1,132	1,722	9,707
Pembina.	2,744	2,982	3,912	6,387	2,006	309	811	2,768	3,620	3,189	2,449	3,818	34,995
Total.	68,321	58,277	52,778	58,820	33,936	57,082	86,756	150,680	84,341	109,794	156,303	90,275	1,007,393

The following table shows the total amount of DOMESTIC Coal sold each month for consumption in Manitoba:

Districts	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Total
Pincher Creek.	8,026	7,405	8,846	5,671	4,954	11,290	8,574	8,037	2,429	6,904	5,947	5,463	83,546
Lethbridge.	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Magrath.	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Milk River.	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Taber.	78	79	202	46	.....	145	997	3,385	381	690	1,184	417	7,604
Bow Island.	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Medicine Hat.	41	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	41
Aldersyde.	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
High River.	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Drumheller.	24,574	14,483	14,012	6,938	5,538	6,231	20,428	36,428	25,326	31,902	42,747	26,720	255,327
Big Valley.	449	121	32	32	37	.....	138	.....	.....	.....	.....	.....	809
Brooks.	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Hanna.	130	.....	30	.....	.....	.....	.....	60	30	30	30	.....	310
Lacombe.	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Trochu.	262	160	97	.....	.....	60	.....	196	.....	.....	.....	110	885
Three Hills.	2,535	738	336	75	30	67	205	886	355	1,181	1,455	1,357	9,220
Carbon.	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	115	115
Battle River.	140	66	30	30	310	.....	31	757	683	1,313	620	516	4,496
Camrose.	168	95	31	.....	.....	.....	39	64	31	388	401	330	1,547
Tofield.	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Clover Bar.	1,889	608	960	436	333	595	430	2,198	1,037	1,658	2,461	1,513	14,118
Edmonton.	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Namoo.	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Cardiff.	38	.....	.....	.....	.....	32	216	388	222	180	264	132	1,472
Wabamun.	405	215	139	42	66	124	34	608	235	261	449	219	2,797
Pembina.	1,708	2,660	2,941	953	883	657	1,551	3,650	2,021	3,673	3,027	2,445	26,169
Total.....	40,443	26,630	27,656	14,223	13,151	19,201	32,643	56,657	32,750	48,180	58,585	39,337	408,456

## THE MINES BRANCH

The following table shows the total amount of DOMESTIC Coal sold each month for consumption in Ontario:

Districts	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Total
Pincher Creek.	80	46	205	77	130	47	93	272	...	79	134	589	1,752
Lethbridge....	...	...	...	...	...	...	...	...	...	...	...	...	...
Magrath.....	...	...	...	...	...	...	...	...	...	...	...	...	...
Milk River...	33	...	...	...	...	...	47	77	45	44	77	...	323
Taber.....	...	...	...	...	...	...	...	...	...	...	...	...	...
Bow Island...	...	...	...	...	...	...	...	...	...	...	...	...	...
Medicine Hat.	...	...	...	...	...	...	...	...	...	...	...	...	...
Aldersyde....	...	...	...	...	...	...	...	...	...	...	...	...	...
High River...	790	191	317	...	31	62	175	458	335	690	603	305	3,957
Drumheller...	...	...	...	...	...	...	...	...	...	...	...	...	...
Big Valley...	...	...	...	...	...	...	...	...	...	...	...	...	...
Brooks.....	...	...	...	...	...	...	...	...	...	...	...	...	...
Hanna.....	...	...	...	...	...	...	...	...	...	...	...	...	...
Lacombe....	...	...	...	...	...	...	...	...	...	...	...	...	...
Trochu.....	...	...	...	...	...	...	...	...	...	...	...	...	...
Three Hills...	...	...	...	...	...	...	...	...	...	...	...	...	...
Carbon.....	...	...	...	...	...	...	...	...	...	...	...	...	...
Battle River..	...	...	...	...	...	...	...	...	...	...	...	...	...
Camrose....	...	...	...	...	...	...	...	...	...	...	...	...	...
Tofield.....	...	...	...	...	...	...	31	30	93	264	98	75	591
Clover Bar...	...	...	...	...	...	...	...	...	...	...	...	...	...
Edmonton...	...	...	...	...	...	...	...	...	...	...	...	...	...
Namoo.....	...	...	...	...	...	...	...	...	...	...	...	...	...
Cardiff.....	...	...	...	...	...	...	...	...	...	...	...	...	...
Wabamun....	...	...	...	...	36	...	...	32	32	33	40	32	205
Pembina.....	...	...	...	...	...	...	...	...	...	...	...	...	...
Total.....	903	237	522	77	197	109	346	869	505	1,110	952	1,001	6,828

The following table shows the total amount of DOMESTIC Coal sold each month for consumption in the United States:

Districts	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Total
Pincher Creek.	268	2,145	58	4,344	1,018	2,827	33	343	611	871	2,676	232	2,148
Lethbridge.	13	9	3,448	5	6	996	6	1,621	2,276	3,439	2,076	86	25,144
Magrath.	191	250	5	33	6	280	1,001	55	17	85	83	83	367
Milk River.									719	593	647	478	4,192
Taber.												339	412
Bow Island.													
Medicine Hat.													
Aldersyde.													
High River.													
Drumheller.	130							100	123	252	132	43	780
Big Valley.	42												42
Brooks.													
Hanna.													
Lacombe.													
Trochu.													
Three Hills.													
Carbon.													
Battle River.													
Canrose.													
Tofield.													
Clover Bar.													
Edmonton.													
Namoo.													
Cardiff.													
Wabamun.													
Pembina.													
Total.	644	2,477	3,544	4,349	1,024	2,827	1,315	3,120	3,746	5,240	3,538	1,261	33,085

The following table shows the total amount of BITUMINOUS Coal sold each month for consumption in Alberta:

Districts	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Total
Crow's Nest P.	94,688	84,153	57,716	44,880	81,477	81,157	80,390	93,588	92,428	91,451	90,409	78,472	970,809
Canmore .....	13,805	15,833	11,671	9,843	13,301	15,744	14,706	17,743	20,297	17,807	17,079	16,145	183,974
Brazeau .....	44,327	45,382	52,862	35,923	14,714	13,946	32,936	42,509	46,576	32,903	36,462	46,237	445,777
Jasper Park .....	24,586	21,168	8,629	15,026	7,879	7,879	16,972	23,736	21,348	25,041	32,693	34,333	240,183
Yellowhead .....	27,277	26,181	28,900	19,780	13,211	11,535	14,552	21,821	16,059	3,295	7,200	31,515	221,326
Mountain Park	18,198	10,714	19,571	10,394	6,456	7,699	14,730	16,929	13,241	12,010	16,697	17,670	164,309
Total .....	222,875	203,431	179,349	135,846	137,937	137,968	174,286	216,326	209,949	183,507	200,540	224,372	2,226,378

The following table shows the total amount of BITUMINOUS Coal sold during each month for consumption in British Columbia:

Districts	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Total
Crow's Nest P.	2,103	1,514	1,333	1,884	1,615	1,825	1,683	986	1,474	1,715	2,810	1,178	20,120
Canmore .....	582	419	439	.....	.....	.....	73	127	.....	130	.....	.....	1,770
Brazeau .....	.....	.....	.....	.....	.....	.....	.....	.....	.....	60	.....	.....	60
Jasper Park .....	546	266	829	908	1,717	.....	.....	.....	.....	.....	.....	.....	4,266
Yellowhead .....	1,492	890	1,202	1,238	865	490	731	1,098	1,612	2,555	5,451	6,403	24,029
Mountain Park	.....	183	239	508	1,079	1,157	1,358	1,645	1,760	1,832	838	868	11,467
Total .....	4,723	3,272	4,042	4,538	5,276	3,472	3,845	3,856	4,846	6,292	9,099	8,449	61,710

The following table shows the total amount of BITUMINOUS Coal sold each month for consumption in Saskatchewan:

Districts	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Total
Crow's Nest P.	8,930	6,301	4,755	2,486	2,529	3,808	5,575	21,451	3,848	4,557	5,844	4,267	74,351
Canmore .....	57	175	144	175	83	631	769	2,136	375	156	334	247	5,282
Brazeau .....	467	238	375	353	328	755	1,144	1,767	740	342	1,006	763	8,278
Jasper Park .....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Yellowhead .....	410	3,659	578	336	453	2,406	4,195	5,600	2,744	1,098	3,894	3,626	28,999
Mountain Park	7,094	7,620	9,345	5,842	4,124	6,010	10,305	16,438	24,933	27,918	27,140	20,336	167,105
Total .....	16,958	17,993	15,197	9,192	7,517	13,610	21,988	47,392	32,640	34,071	38,218	29,239	284,015



The following table shows the total amount of BITUMINOUS Coal sold each month for consumption in Manitoba:

Districts	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Total
Crow's Nest P.	5,753	3,459	2,122	554	739	1,241	6,312	10,175	960	1,193	769	920	34,197
Canmore	2,662	2,746	1,304	328	188	965	32	1,053	41	798	1,347	1,168	158
Brazeau	2,584	1,363	1,297	353	395	1,351	217	2,538	1,454	1,475	1,744	206	14,230
Jasper Park	254	68	115	749	249	1,478	1,373	8,723	760	170	259	941	18,478
Yellowhead							5,719						19,485
Mountain Park													
Total.....	11,253	7,636	4,838	1,984	1,571	5,035	13,653	22,574	5,014	3,636	4,119	5,235	86,548

The following table shows the total amount of BITUMINOUS Coal sold each month for consumption in Ontario:

Districts	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Total
Crow's Nest P.	77	1,335	1,532	33	63	30	30	30	30	30	30	30	2,977
Canmore													30
Brazeau													63
Jasper Park													
Yellowhead													
Mountain Park													
Total.....	77	1,335	1,565	63	30	30	30	30	30	30	30	30	3,070

The following table shows the total amount of BITUMINOUS Coal sold each month for consumption in United States:

Districts	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Total
Crow's Nest P.	4,809	4,517	7,024	5,762	6,042	1,423	5,874	8,300	2,814	14,867	15,479	23,389	100,300
Canmore													30
Brazeau													
Jasper Park													
Yellowhead													
Mountain Park													
Total.....	4,809	4,517	7,024	5,762	6,042	1,423	5,874	8,300	2,814	14,897	15,479	23,389	100,330

The following table shows the total amount of ANTHRACITE Coal and BRIQUETTES sold each month for consumption in Alberta:

	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Total
Anthracite.....	1,233	947	1,247	2,079	744	1,029	881	563	962	1,354	1,113	1,175	13,307
Briquettes.....	4,502	2,815	5,133	5,842	3,164	4,224	4,666	4,001	4,910	5,387	3,210	4,059	51,913

The following table shows the total amount of ANTHRACITE Coal and BRIQUETTES sold each month for consumption in British Columbia:

	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Total
Anthracite.....	339	197	259	43	109	130	118	139	239	237	329	336	2,475
Briquettes.....	157	33	43	43	.....	46	44	280	283	350	170	276	1,725

The following table shows the total amount of ANTHRACITE Coal and BRIQUETTES sold each month for consumption in Saskatchewan:

	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Total
Anthracite.....	308	294	200	217	163	180	325	254	42	453	216	381	3,033
Briquettes.....	201	320	175	86	84	176	219	521	646	1,110	1,763	1,026	6,327



## THE MINES BRANCH

The following table shows the total sales of DOMESTIC Coal disposed of as Lump Coal each month in Districts:

Districts	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Total
Pincher Creek...	217	210	141	8	27	75	25	53	114	286	313	196	1,665
Lethbridge...	35,605	31,939	34,944	34,317	29,011	59,638	53,703	68,861	37,858	62,413	65,365	42,211	555,885
Magrath...	180	55	124	100	46	75	60	178	275	592	355	306	2,346
Milk River...	246	181	170	94	98	70	99	206	609	826	531	-380	3,540
Taber...	1,337	769	784	320	190	239	1,727	5,640	1,883	3,373	2,811	2,026	21,099
Bow Island...	238	149	187	114	94	95	52	123	443	1,395	679	419	3,988
Medicine Hat...	600	673	14	2	...	...	...	386	1,045	1,766	1,799	1,852	8,137
Aldersyde...	428	249	294	188	172	202	153	138	422	1,121	854	646	4,867
High River...	54,073	40,408	35,437	21,842	13,492	18,114	52,712	107,871	64,673	78,007	111,488	173	660,873
Drumheller...	1,232	501	289	48	73	5	705	1,592	1,612	1,316	3,299	62,756	12,565
Big Valley...	888	808	579	260	221	283	312	516	829	2,023	941	2,082	9,742
Brooks...	1,139	804	486	196	158	136	131	302	897	4,794	6,092	1,193	16,328
Hanna...	465	388	221	8	...	25	...	17	163	985	1,771	965	5,008
Lacombe...	975	337	339	192	150	92	540	542	776	702	933	710	6,288
Trochu...	3,290	1,709	1,230	460	258	271	539	1,686	3,133	3,038	3,384	2,949	21,947
Three Hills...	645	685	425	47	105	84	129	227	31	862	1,464	2,499	7,203
Carbon...	535	297	110	8	2	...	...	...	26	1,280	1,548	1,312	5,118
Battle River...	4,596	3,108	1,324	985	797	225	379	2,568	3,354	4,071	6,258	6,702	34,367
Camrose...	6,317	4,869	1,754	1,131	782	551	752	1,574	2,802	5,213	11,506	10,404	47,655
Tofield...	26,225	18,473	12,850	5,230	3,950	3,368	5,171	13,619	17,265	18,031	28,180	24,840	177,202
Clover Bar...	6,898	4,970	3,463	1,262	741	393	406	956	1,810	2,555	4,684	5,468	33,606
Edmonton...	910	535	211	...	...	...	...	...	...	...	968	479	3,103
Nanaimo...	6,781	4,373	4,301	1,057	218	197	381	4,455	4,526	5,703	7,975	7,422	47,389
Cardiff...	648	291	316	26	10	148	70	379	277	715	900	439	4,219
Wabamun...	2,941	2,419	2,084	741	1,699	2,503	2,590	5,174	3,809	3,926	5,923	3,217	37,026
Pembina...													
Total.....	157,414	119,200	102,077	68,636	52,294	86,809	120,636	217,093	148,632	204,993	270,021	183,534	1,731,339

The following table shows the total sales of DOMESTIC coal disposed of as Mine Run Coal each month in districts:

Districts	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Total
Pincher Creek.	85	64	126	5,640	29	24	71	378	774	1,380	317	570	3,818
Lethbridge.	137	901	1,925	...	194	...	...	370	599	72	364	266	10,468
Magrath.	8	...	...	...	22	18	29	...	2	2	110	2	193
Milk River.	290	279	223	82	75	168	134	108	40	629	586	331	2,945
Taber.	531	676	510	338	110	174	157	478	363	517	443	576	4,873
Bow Island.	61	41	60	45	22	6	...	...	69	57	68	46	475
Medicine Hat.	76	92	498	43	19	15	39	164	228	1,158	991	777	4,100
Aldersyde.	177	173	254	133	138	116	132	181	395	962	596	451	3,708
High River.	185	176	49	89	...	21	39	...	78	178	72	339	1,226
Drumheller.	385	330	298	138	856	208	193	720	411	398	2,144	2,508	8,589
Big Valley.	5,183	6,269	4,947	2,717	1,569	225	3,031	3,475	5,610	2,085	1,933	3,018	40,062
Brooks.	582	452	491	224	211	195	141	239	456	778	668	289	4,726
Hanna.	463	404	481	1,946	175	205	186	333	671	1,854	1,078	753	8,549
Lacombe.	1,225	1,039	1,043	250	132	80	58	168	529	1,390	1,851	876	8,641
Trochu.	1,372	1,111	829	42	220	220	218	527	731	1,108	1,488	1,302	9,168
Three Hills.	33	21	34	3	23	...	...	...	24	44	77	64	323
Carbon.	459	225	220	17	66	24	42	109	151	202	671	153	2,339
Battle River.	2,838	2,139	1,113	46	58	114	75	137	398	1,630	2,663	2,075	13,286
Camrose.	1,130	579	466	384	190	337	122	178	463	105	420	502	4,876
Tofield.	...	...	98	255	337	246	185	...	104	...	41	198	1,464
Clover Bar.	22	105	2,360	4,280	3,278	2,943	2,376	3,220	191	59	64	85	18,983
Edmonton.	87	230	8	...	...	20	17	...	86	191	591	570	1,851
Namoo.	79	126	52	...	...	24	...	...	18	242	463	377	1,139
Cardiff.	219	824	3,034	6,166	5,089	3,567	4,418	2,662	382	553	961	525	28,400
Wabamun.	64	87	79	...	95	134	34	145	...	...	...	...	638
Pembina.	...	5,452	7,800	10,466	...	...	...	...	...	...	...	6	23,724
Total.	15,691	21,795	26,998	33,304	12,908	9,084	11,697	13,592	12,773	15,383	18,660	16,659	208,504

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The following table shows the total sales of DOMESTIC Coal disposed of as Nut Coal each month in districts:

Districts	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Total
Pincher Creek.	36	36				8	7,316	1,004	29	61	47	34	259
Lethbridge....	4,497	3,911	4,166	4,798	7,827	8,847			6,807	8,228	10,380	4,366	81,157
Magrath.....													
Milk River....	15	3	7	3	2								30
Taber.....	211	174	106	48	4	50	453	1,605	691	663	1,043	563	5,611
Bow Island....	10	5	9	2		1				25	5	7	64
Medicine Hat.	290	244						405	348	611	278	676	2,852
Aldersyde....	8	4	6		2	11			23	80	19	32	185
High River....													
Drumheller...	11,846	9,274	9,215	7,124	5,506	3,098	13,014	19,225	13,992	16,657	23,307	11,904	144,162
Big Valley....	32									39	793	402	1,266
Brooks.....													
Hanna.....	322	367	307	113	150	229	214	244	991	1,441	1,323	220	5,921
Lacombe.....	127	100	150					31	66	227	117	90	908
Trochu.....	225	101	32	32	85	63	140	182	156	310	320	290	1,936
Three Hills...	851	320	295	32		43	94	433	589	434	521	561	4,227
Carbon.....		108		32	61	53	71	145	267	406	192	734	2,069
Battle River..										76	118	50	244
Camrose.....	2,261	1,647	1,584	1,016	510	744	98	1,230	1,910	1,969	2,954	2,547	18,470
Tofield.....	80	30	20			5		5	10	20	30	25	225
Clover Bar....	9,158	6,369	8,881	3,792	2,274	2,478	1,911	5,503	7,449	8,031	12,174	9,978	77,998
Edmonton....	3,243	2,550	4,100	2,122	1,460	996	949	1,640	2,237	2,498	3,303	3,493	28,591
Namoo.....	740	339	187								487	223	1,976
Cardiff.....	3,188	1,696	2,048	449	296	111	202	1,565	1,925	2,406	3,255	2,912	20,053
Wabamun....	682	624	582	385	222	466	576	1,585	1,889	2,261	1,958	2,819	14,049
Pembina.....	8,792	1,155	1,459	730	3,724	2,417	2,380	5,261	8,040	8,093	5,676	6,246	53,973
Total.....	46,614	29,057	33,154	20,732	22,123	19,620	27,418	49,081	47,419	46,443	68,300	48,172	466,226

The following table shows the total sales of DOMESTIC Coal disposed of as Slack Coal each month in districts:

Districts	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Total
Pincher Creek.	275	227	81	38	63	129	11	148	214	366	305	307	2,164
Lethbridge....	1,527	3,734	5,840	5,498	2,610	6,298	3,290	3,300	1,863	4,287	5,600	2,229	46,876
Magrath.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Milk River....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Taber.....	92	.....	.....	.....	.....	.....	.....	47	88	80	167	60	534
Bow Island....	5	4	6	2	12	.....	2	4	17	16	13	6	87
Medicine Hat..	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	514	.....	514
Aldersyde....	26	13	13	12	16	.....	.....	.....	.....	.....	.....	.....	80
High River....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	5
Drumheller...	11,355	10,280	7,400	4,951	3,508	5,149	9,507	21,194	9,977	11,162	16,713	9,809	121,005
Big Valley....	202	256	326	75	171	.....	50	.....	95	80	192	.....	1,447
Brooks.....	4	.....	3	.....	1	3	.....	1	.....	1	.....	.....	13
Hanna.....	54	13	3	.....	.....	30	.....	6	11	80	508	595	1,300
Lacombe.....	40	30	50	.....	4	.....	.....	11	22	.....	46	.....	203
Trochu.....	61	1	.....	.....	73	.....	.....	.....	.....	.....	.....	30	165
Three Hills...	118	63	60	.....	.....	.....	.....	.....	.....	.....	60	30	271
Carbon.....	.....	.....	.....	.....	22	.....	.....	.....	.....	.....	.....	71	153
Battle River..	5	.....	26	.....	.....	.....	.....	.....	.....	.....	2	.....	33
Camrose.....	744	541	391	154	178	88	78	221	278	592	447	554	4,266
Tofield.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Clover Bar....	9,101	6,165	5,383	1,971	1,226	1,854	2,124	5,872	5,855	6,138	9,010	8,567	63,266
Edmonton....	2,630	2,071	1,841	1,103	885	413	373	766	1,141	1,861	2,452	2,418	17,954
Namoo.....	219	243	.....	.....	.....	.....	.....	.....	.....	.....	221	326	1,009
Cardiff.....	3,368	2,173	2,272	1,349	1,133	832	777	2,169	2,707	3,755	5,462	4,347	30,344
Wabamun....	1,036	306	347	279	.....	257	224	727	849	1,126	1,123	777	7,051
Pembina.....	1,099	321	291	.....	.....	67	483	611	105	.....	.....	.....	2,977
Total.....	31,961	26,441	24,333	15,432	9,902	15,120	16,919	35,077	23,222	29,544	42,835	30,131	300,917

The following table shows the total sales of BITUMINOUS Coal disposed of as Lump Coal each month:

Districts	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Total
Crow's Nest P.	1,150	1,071	803	428	422	868	1,578	3,412	2,727	2,920	1,526	1,442	18,347
Canmore	2,240	1,548	1,122	557	104	154	164	172	85	80	45	2,148	804
Brazeau	2,644	1,906	1,398	642	370	1,494	1,952	3,431	2,628	1,512	4,215	3,316	25,508
Jasper Park	370	359	166	81	70	166	448	896	935	373	226	426	4,519
Yellowhead													
Mountain Park													
Total.....	6,404	4,884	3,489	1,711	1,316	4,223	4,142	7,911	8,722	5,856	8,520	7,332	64,510

The following table shows the total sales of BITUMINOUS Coal disposed of as Mine Run Coal during each month:

Districts	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Total
Crow's Nest P.	106,498	91,980	66,057	50,317	86,838	81,190	90,150	116,119	94,906	104,193	107,424	101,436	1,097,208
Canmore	14,197	16,221	11,996	9,862	13,203	16,002	15,304	19,322	20,376	17,881	16,997	15,898	187,259
Brazeau	43,651	45,000	52,600	35,825	14,712	13,444	33,428	43,892	44,801	33,648	34,587	44,523	440,111
Jasper Park	25,126	21,434	9,458	15,934	10,495	7,879	16,972	23,736	21,348	25,041	32,693	34,333	244,449
Yellowhead	26,853	29,121	29,203	17,108	10,105	9,280	15,860	23,719	17,797	5,823	8,534	36,140	229,543
Mountain Park	25,176	18,226	29,072	17,378	11,838	16,178	31,664	42,839	39,759	41,557	44,708	39,389	357,784
Total.....	241,501	221,982	198,386	146,424	147,291	143,973	203,378	269,627	238,987	228,143	244,943	271,719	2,556,354

The following table shows the total sales of coal disposed of as NUT Coal in districts during each month:

Districts	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Total
Crow's Nest P.	2,899	2,197	3,457	739	902	1,105	1,165	3,844	1,158	1,146	1,301	940	20,853
Canmore	247	206	258	156	77	68	112	597	252	132	327	494	2,926
Brazeau	150	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	183
Jasper Park	1,625	641	652	249	4,452	908	1,857	2,695	1,298	1,016	2,917	2,362	20,672
Yellowhead	.....	.....	32	31	.....	.....	.....	.....	.....	.....	.....	.....	63
Mountain Park	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Total.....	4,921	3,044	4,399	1,175	5,431	2,081	3,134	7,136	2,708	2,327	4,545	3,796	44,697



The following table shows the total sales of BITUMINOUS coal disposed of as Slack Coal in districts during each month:

Districts	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Total
Crow's Nest P.	5,736	4,696	2,710	5,417	5,672	6,291	6,941	11,158	2,733	5,524	5,060	4,408	66,346
Cannore	1,415	1,818	819	222	168	151	869	1,437	1,622	511	44	1,720	195
Brazeau						681							12,779
Jasper Park							1,182	1,242	491	72	2,623	1,932	17,170
Yellowhead	641	425	724	3,708	30	4,100							
Mountain Park													
Total.....	7,792	6,939	4,253	9,347	5,870	11,223	8,992	13,837	4,846	6,107	9,447	7,837	96,490

The following table shows the sales of ANTHRACITE Coal disposed of as Lump Coal during each month:

Districts	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Total
Banff.....	1,254	787	1,236	1,275	669	870	987	671	836	1,164	964	1,123	11,836

The following table shows the sales of ANTHRACITE Coal disposed of as Nut Coal during each month:

Districts	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Total
Banff.....	770	692	584	1,104	347	469	535	327	448	920	766	809	7,771

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The following table shows the amount of DOMESTIC Coal disposed of as Lump Coal during each month in Alberta

Districts	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Total
Pincher Creek.	217	210	141	8	27	75	25	53	114	286	313	196	1,665
Lethbridge....	8,170	8,560	9,099	7,587	8,240	8,590	7,941	11,945	11,356	13,148	10,734	7,927	113,297
Magrath.....	180	55	124	100	46	75	60	178	275	592	355	306	2,346
Milk River....	234	173	165	89	92	70	93	181	592	774	514	366	3,343
Taber.....	337	249	307	130	190	102	91	272	583	1,037	585	469	4,352
Bow Island....	238	149	187	114	94	95	52	123	443	1,395	679	419	3,988
Medicine Hat.	76	202	14	2	...	...	...	137	514	990	275	391	2,601
Aldersyde....	428	249	294	188	172	202	153	138	422	1,121	854	646	4,867
High River....	12,326	10,485	10,810	5,953	4,811	4,955	10,140	20,785	14,183	13,034	15,630	10,440	133,552
Drumheller...	470	283	165	16	10	5	7	2	92	137	247	1,615	3,049
Big Valley....	888	808	579	260	221	63	312	516	829	2,023	941	2,082	9,522
Brooks.....	1,009	804	486	196	158	136	131	212	867	4,404	4,796	962	14,161
Hanna.....	465	388	221	8	...	25	...	17	163	985	1,771	800	4,843
Lacombe.....	742	208	274	192	150	32	540	542	776	702	933	310	5,401
Trochu.....	1,398	997	927	385	228	204	269	890	1,945	1,885	1,648	1,601	12,377
Three Hills...	645	685	425	47	105	84	129	227	31	793	1,464	2,179	6,814
Carbon.....	535	297	110	8	2	...	...	...	26	1,280	1,548	1,312	5,118
Battle River...	3,567	2,368	968	596	487	225	315	998	2,071	2,411	4,520	3,334	21,860
Canrose.....	4,519	4,012	1,434	1,102	782	519	579	702	1,297	2,456	5,277	7,812	30,491
Tofield.....	22,626	16,398	11,542	4,637	2,909	2,187	3,415	9,188	13,685	13,831	22,841	21,924	145,183
Clover Bar....	6,898	4,970	3,463	1,262	741	393	406	956	1,810	2,555	4,684	5,468	33,606
Edmonton....	910	535	211	...	...	...	...	...	...	...	893	444	2,993
Namoo.....	5,770	3,706	3,973	989	176	132	102	2,923	3,844	4,195	6,454	6,252	38,516
Cardiff.....	178	117	171	26	10	51	4	39	28	111	442	287	1,464
Wabamun....	1,858	969	669	291	1,262	1,604	625	2,161	2,160	1,646	2,834	1,634	17,713
Pembina.....													
Total.....	74,684	57,877	46,759	24,186	20,913	19,824	25,389	53,185	58,106	71,791	91,232	79,349	623,295

The following table shows the amount of DOMESTIC Coal disposed of as Mine Run Coal during each month in Alberta:

Districts	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Total
Pincher Creek.	85	64	68	...	29	24	38	35	163	419	196	308	1,429
Lethbridge.	104	10	316	188	50	...	...	...	22	72	331	266	1,359
Magrath.	8	...	...	...	22	18	29	...	2	2	110	2	193
Milk River.	290	279	223	82	75	168	134	108	40	596	520	262	2,777
Taber.	531	459	510	338	110	29	157	478	363	517	443	440	4,375
Bow Island.	61	41	60	45	22	6	...	...	69	57	68	46	475
Medicine Hat.	76	54	160	43	19	15	39	72	180	997	821	289	2,765
Aldersyde.	177	173	254	133	138	116	132	181	395	962	596	451	3,708
High River.	185	176	49	89	...	21	39	...	78	178	72	339	1,226
Drumheller.	224	212	160	76	530	208	89	347	166	283	875	1,166	4,336
Big Valley.	1,045	1,323	815	214	1,463	225	175	355	732	1,216	946	1,014	9,523
Brooks.	582	452	491	224	211	195	141	239	456	778	668	289	4,726
Hanna.	463	404	481	155	175	205	186	333	671	1,854	1,078	753	6,758
Lacombe.	1,225	1,039	1,043	250	132	80	58	168	529	1,390	1,851	876	8,641
Trochu.	1,372	1,066	699	42	155	154	155	231	600	1,012	1,348	1,270	8,104
Three Hills.	33	21	34	3	...	...	...	...	24	44	77	64	300
Carbon.	459	225	220	17	66	24	42	109	151	202	671	153	2,339
Battle River.	2,838	2,139	1,113	46	58	114	75	137	398	1,630	2,663	2,075	13,286
Camrose.	331	194	81	88	12	24	28	48	20	72	420	502	1,820
Tofield.	...	...	64	223	208	173	152	...	104	...	...	94	1,018
Clover Bar.	22	75	2,360	4,194	3,278	2,943	2,376	1,982	191	59	64	85	17,629
Edmonton.	87	230	8	...	...	20	17	...	86	242	591	570	1,851
Namoo.	79	126	52	...	...	24	...	...	18	...	463	377	1,139
Cardiff.	219	824	3,034	6,133	5,089	3,531	4,418	2,526	273	553	859	459	27,918
Wabamun.	...	44	39	279	62	...	...	33	...	...	...	...	457
Pembina.	...	2,088	2,675	3,764	...	...	...	...	...	...	...	6	8,533
Total.	10,496	11,718	15,009	16,626	11,904	8,317	8,480	7,382	5,731	13,135	15,731	12,156	136,685

## THE MINES BRANCH

The following table shows the amount of DOMESTIC Coal disposed of as Nut Coal during each month in Alberta:

Districts	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Total
Pincher Creek	36	36			2,132	3,651	2,852	2,359	8	61	47	34	259
Lechbridge	1,927	1,823	1,510	1,361						2,208	2,654	1,933	26,311
Magrath													
Milk River	14	2	7	3	2								28
Taber	47	4	8	2	4	4	6	20	15	81	130	56	377
Bow Island	10	5	9	2		1				25	5	7	64
Medicine Hat								18	212	532	278	85	1,125
Aldersyde	8	4	6		2	11			23	80	19	32	185
High River													
Drumheller	2,936	3,828	3,636	2,213	1,495	1,337	2,186	5,596	4,462	4,616	4,883	2,656	39,844
Big Valley	32									39	32	41	144
Brooks													
Hanna	322	367	277	113	150	229	214	244	991	1,441	1,073	130	5,551
Lacombe	127	100	150					31	66	227	117	90	908
Trochu	163	70	32	32	85	30	140	182	156	310	320	180	1,700
Three Hills	289	230	1,283	86	23	43	94	310	317	201	205	154	2,214
Carbon		108		32	61	53	71	145	267	406	192	694	2,029
Battle River										76	118	50	244
Canrose	1,883	778	1,439	910	510	744	98	888	1,729	1,642	2,520	1,444	14,585
Toffield	80	30	20			5		5	10	20	30	25	225
Clover Bar	7,979	5,785	7,646	3,254	2,071	2,245	1,607	4,777	6,089	7,253	10,180	8,023	67,509
Edmonton	3,243	2,550	4,100	2,122	1,460	996	949	1,640	2,237	2,498	3,303	3,457	28,555
Namoo	740	339	187								487	223	1,976
Cardiff	2,426	1,503	1,924	449	296	111	169	1,124	1,679	1,905	2,961	2,338	16,885
Wabamun	260	233	261	195	76	164	97	203	336	391	280	296	2,792
Pembina	4,928	466	401	104	1,083	2,387	2,145	1,738	2,726	1,830	1,285	129	19,222
Total	27,450	18,261	21,875	10,878	9,450	12,019	10,628	19,288	23,245	25,842	31,119	22,677	232,732

The following table shows the amount of DOMESTIC Coal disposed of as Slack coal during each month in Alberta:

Districts	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Total
Pincher Creek.	275	227	81	38	63	129	11	148	214	366	305	307	2,164
Lethbridge.	1,245	1,830	2,818	1,254	1,843	3,689	2,689	3,077	1,429	3,020	4,813	2,072	29,779
Magrath.													
Milk River.	92								88	80	167	60	487
Taber.	5	4	6	2	12		2	4	17	16	13	6	87
Bow Island.													
Medicine Hat.													
Aldersyde.	26	13	13	12	16								80
High River.												5	5
Drumheller.	4,617	4,410	2,276	1,717	1,260	1,828	2,207	6,400	4,208	5,341	8,707	5,207	48,178
Big Valley.	125	227	192	43	72		50		95	37	192		1,033
Brooks.	4		3		1			1		1			10
Hanna.	54	13	3			30		6	11	80	508	595	1,300
Lacombe.	40	30	50		4			11	22		45		202
Trochu.	61	1			40							30	102
Three Hills.	5	63	60									36	158
Carbon.					22								118
Battle River.	5		26										33
Camrose.	679	516	391	154	178	88	78	189	278	524	447	521	4,043
Tofield.													
Clover Bar.	9,101	6,165	5,383	1,971	1,226	1,826	2,124	5,742	5,855	6,138	9,010	8,365	62,906
Edmonton.	2,630	2,071	1,841	1,103	885	413	373	766	1,141	1,861	2,452	2,418	17,954
Namoo.	219	243									221	326	1,009
Cardiff.	3,368	2,173	2,272	1,349	1,133	882	777	2,169	2,707	3,755	5,462	4,347	30,344
Wabamun.	1,036	306	347			208	88	637	849	1,126	1,123	731	6,451
Pembina.							225						225
Total.	23,587	18,292	15,762	7,643	6,755	9,043	8,624	19,150	16,914	22,345	33,527	25,026	206,668

The following table shows the amount of BITUMINOUS Coal disposed of as Lump Coal during each month in Alberta:

Districts	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Total
Crow's Nest P.	670	701	547	193	166	236	349	510	580	735	718	866	6,271
Canmore	...	...	...	...	104	...	45	40	85	...	45	...	319
Brazeau	569	372	365	40	3	346	...	...	1,046	331	839	707	4,618
Jasper Park	...	...	...	...	...	...	...	...	...	...	...	...	...
Yellowhead	284	369	154	64	20	50	83	155	42	2	69	283	1,575
Mountain Park	...	6	...	19	...	...	...	37	93	113	166	186	651
Total	1,523	1,448	1,066	316	293	632	508	742	1,846	1,181	1,837	2,042	13,434

The following table shows the amount of BITUMINOUS Coal disposed of as Run of Mine Coal during each month in Alberta:

Crow's Nest P.	92,399	81,593	54,560	41,180	77,624	76,524	74,994	88,671	90,627	89,262	87,141	74,588	929,163
Canmore	13,558	15,627	11,460	9,720	13,120	15,525	14,597	17,611	19,960	17,675	16,663	15,788	181,304
Brazeau	43,651	44,868	52,862	35,825	14,649	13,374	32,119	41,450	44,801	33,422	34,587	44,490	435,733
Jasper Park	24,580	21,168	8,629	15,026	8,778	7,879	16,972	23,736	21,348	25,041	32,693	34,333	240,183
Yellowhead	26,422	25,492	28,540	16,598	9,093	8,083	14,122	21,401	15,626	3,257	5,113	30,624	204,371
Mountain Park	18,198	10,708	19,539	10,375	6,456	7,699	14,690	16,892	13,148	11,897	16,531	17,484	163,626
Total	218,808	199,456	175,225	128,724	129,720	129,084	167,503	209,761	205,510	180,554	192,728	217,307	2,154,380

The following table shows the amount of BITUMINOUS Coal disposed of as Nut Coal during each month in Alberta:

Crow's Nest P.	579	81	1,943	466	445	298	707	1,346	488	619	641	661	8,274
Canmore	247	206	211	123	77	68	64	92	252	132	327	357	2,156
Brazeau	...	...	...	...	...	...	...	...	...	33	...	...	33
Jasper Park	184	...	...	...	...	...	...	...	...	...	...	...	184
Yellowhead	...	166	38	36	4,098	230	42	62	3	36	104	204	5,019
Mountain Park	...	...	32	...	...	...	...	...	...	...	...	...	32
Total	1,010	453	2,724	625	4,620	596	813	1,500	743	820	1,072	1,222	15,698

The following table shows the amount of BITUMINOUS Coal disposed of as Slack Coal during each month for consumption in Alberta:

Districts	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Total
Crow's Nest P.	1,040	1,778	666	3,041	3,242	4,099	4,340	3,061	733	835	1,909	2,357	27,101
Canmore	.....	.....	.....	.....	.....	151	.....	.....	.....	.....	44	.....	195
Brazeau	107	142	.....	58	62	226	817	1,059	729	117	1,036	1,040	5,393
Jasper Park	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Yellowhead	387	154	168	3,082	.....	3,172	305	203	388	.....	1,914	401	10,177
Mountain Park	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Total.....	1,534	2,074	834	6,181	3,304	7,648	5,462	4,323	1,850	952	4,903	3,801	42,866

The following table shows the amount of ANTHRACITE Coal disposed of as Lump Coal during each month in Alberta:

Districts	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Total
Banff.....	771	513	1,014	1,103	469	634	618	321	631	715	602	694	7,454

The following table shows the amount of ANTHRACITE Coal disposed of as Nut Coal sold during each month in Alberta:

Districts	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Total
Banff.....	462	434	233	976	275	395	263	242	331	619	511	481	5,222

The following table shows the amount of DOMESTIC Coal disposed of as Lump Coal during each month for consumption in British Columbia:

Districts	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Total
Pincher Creek.	1,699	1,393	1,021	557	220	761	1,097	1,774	3,027	2,444	2,975	3,203	20,171
Lethbridge.													
Magrath.													
Milk River	93	77							223	323	33		749
Taber.													
Bow Island													
Medicine Hat													
Aldersyde													
High River	788	449	252	135	172	801	481	856	925	1,278	1,214	1,273	8,624
Drumheller													
Big Valley													
Brooks.						220					86		220
Hanna.													86
Lacombe													
Trochu.							32		193	33			258
Three Hills													
Carbon													
Battle River.													
Camrose													
Tofield													
Clover Bar	32	33				67	31	33	33	52	150		150
Edmonton											38		356
Nanao													
Cardiff			33										33
Wabamun		34						34				33	177
Pembina	325	63	62			30	96	236	346	295	275	570	2,298
Total.	2,937	2,049	1,368	692	392	1,879	1,737	2,933	4,747	4,425	4,847	5,116	33,122



The following table shows the amount of DOMESTIC Coal disposed of as Run of Mine Coal during each month in British Columbia:

Districts	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Total
Pincher Creek.	.....	.....	.....	.....	.....	.....	.....	.....	.....	90	77	.....	167
Lethbridge....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Magrath.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Milk River...	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Taber.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Bow Island...	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Medicine Hat.	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Aldersyde....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
High River...	.....	.....	.....	.....	132	.....	.....	.....	.....	.....	.....	.....	.....
Drumheller...	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Big Valley...	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	132
Brooks.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Hanna.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Lacombe.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Trochu.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Three Hills...	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Carbon.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Battle River..	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Camrose.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Tofield.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Clover Bar...	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Edmonton....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Nanaimo.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Cardiff.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Wabamun....	64	43	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	107
Pembina.....	.....	119	809	394	.....	.....	.....	.....	.....	.....	.....	.....	1,322
Total.....	64	162	809	394	132	.....	.....	.....	.....	90	77	.....	1,728

## THE MINES BRANCH

The following table shows the amount of DOMESTIC Coal disposed of as Nut Coal each month in British Columbia:

Districts	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Total
Pincher Creek	240	36	199	36	187	201	427	563	484	624	831	439	4,267
Lethbridge	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Magrath	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Milk River	.....	91	.....	.....	.....	.....	32	33	.....	40	45	33	274
Taber	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Bow Island	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Medicine Hat	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Aldersyde	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
High River	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Drumheller	252	229	84	38	.....	95	126	267	234	399	786	172	2,682
Big Valley	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Brooks	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Hanna	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Lacombe	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Trochu	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	40	40
Three Hills	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Carbon	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Battle River	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Camrose	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Tofield	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Clover Bar	.....	.....	.....	98	.....	33	.....	.....	.....	10	33	32	206
Edmonton	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Namoo	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Cardiff	101	157	.....	.....	.....	.....	31	122	74	98	479	701	1,763
Wabamun	887	.....	.....	44	153	.....	.....	461	1,049	1,353	1,689	835	6,471
Pembina	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Total	1,480	513	283	216	340	329	616	1,446	1,841	2,524	3,863	2,252	15,703

The following table shows the amount of DOMESTIC Coal disposed of as Slack coal each month in British Columbia

Districts	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Total
Pincher Creek	...	...	...	...	...	...	...	...	...	...	42	...	42
Lethbridge	...	...	...	...	...	...	...	...	...	...	...	...	...
Magrath	...	...	...	...	...	...	...	...	...	...	...	...	...
Milk River	...	...	...	...	...	...	...	...	...	...	...	...	...
Taber	...	...	...	...	...	...	...	...	...	...	...	...	...
Bow Island	...	...	...	...	...	...	...	...	...	...	...	...	...
Medicine Hat	...	...	...	...	...	...	...	...	...	...	...	...	...
Aldersyde	...	...	...	...	...	...	...	...	...	...	...	...	...
High River	...	...	32	...	...	...	...	73	120	...	...	...	484
Drumheller	259	...	...	...	...	...	...	...	...	...	...	...	...
Big Valley	...	...	...	...	...	3	...	...	...	...	...	...	3
Brooks	...	...	...	...	...	...	...	...	...	...	...	...	...
Hanna	...	...	...	...	...	...	...	...	...	...	...	...	...
Lacombe	...	...	...	...	33	...	...	...	...	...	...	...	33
Trochu	...	...	...	...	...	...	...	...	...	...	...	...	...
Three Hills	...	...	...	...	...	...	...	...	...	...	...	...	...
Carbon	...	...	...	...	...	...	...	...	...	...	...	...	...
Battle River	...	...	...	...	...	...	...	...	...	...	...	...	...
Camrose	...	...	...	...	...	...	...	...	...	...	...	...	...
Tofield	...	...	...	...	...	...	...	...	...	...	...	...	...
Clover Bar	...	...	...	...	...	...	...	...	...	...	...	...	...
Edmonton	...	...	...	...	...	...	...	...	...	...	...	...	...
Nanao	...	...	...	...	...	...	...	...	...	...	...	...	...
Cardiff	...	...	...	...	...	...	136	60	...	...	...	46	242
Wabamun	...	...	165	...	...	...	...	...	...	...	...	...	547
Pembina	382	...	...	...	...	...	...	...	...	...	...	...	...
Total	641	...	207	...	33	3	136	133	120	...	42	46	1,351

The following table shows the amount of BITUMINOUS Coal disposed of as Lump Coal each month in British Columbia:

Districts	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Total
Crow's Nest P.	193	80	47	111	146	108	113	172	580	552	186	112	2,400
Canmore.....	.....	.....	.....	.....	.....	.....	73	46	.....	45	.....	.....	164
Brazeau.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	60	.....	.....	60
Jasper Park...	762	338	105	112	115	70	.....	.....	113	65	653	492	2,825
Yellowhead...	.....	183	134	32	37	166	64	60	181	200	.....	60	1,117
Mountain Park	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Total.....	955	601	286	255	298	344	250	278	874	922	839	664	6,566

The following table shows the amount of BITUMINOUS Coal disposed of as Mine Run Coal each month in British Columbia:

Districts	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Total
Crow's Nest P.	1,910	1,434	1,286	1,770	1,283	1,684	1,570	767	827	1,123	2,412	1,065	17,131
Canmore.....	582	419	439	.....	.....	.....	.....	81	.....	85	.....	.....	1,606
Brazeau.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Jasper Park...	546	266	829	908	1,717	.....	.....	.....	.....	.....	.....	.....	4,266
Yellowhead...	295	180	485	360	641	420	534	329	692	1,639	2,538	3,700	11,813
Mountain Park	.....	.....	105	445	1,042	991	1,294	1,585	1,579	1,632	838	808	10,319
Total.....	3,333	2,299	3,144	3,483	4,683	3,095	3,398	2,762	3,098	4,479	5,788	5,573	45,135

The following table shows the amount of BITUMINOUS Coal disposed of as Nut Coal each month in British Columbia:

Districts	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Total
Crow's Nest P.	.....	.....	.....	3	33	33	.....	47	34	.....	1	1	152
Canmore.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Brazeau.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Jasper Park...	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Yellowhead...	215	312	190	184	79	.....	98	670	807	779	1,831	1,431	6,596
Mountain Park	.....	.....	.....	31	.....	.....	.....	.....	.....	.....	.....	.....	31
Total.....	215	312	190	218	112	33	98	717	841	799	1,832	1,432	6,779

The following table shows the amount of BITUMINOUS Coal disposed of as Slack Coal each month in British Columbia:

Districts	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Total
Crow's Nest P.	.....	.....	.....	.....	153	.....	.....	.....	33	40	211	.....	437
Canmore . . . . .	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Brazeau . . . . .	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Jasper Park . . . .	.....	.....	.....	.....	30	.....	99	99	.....	72	429	780	2,793
Yellowhead . . . .	220	60	422	582	.....	.....	.....	.....	.....	.....	.....	.....	.....
Mountain Park . . .	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Total . . . . .	220	60	422	582	183	.....	99	99	33	112	640	780	3,230

The following table shows the amount of ANTHRACITE Coal disposed of as Lump Coal each month in British Columbia:

Districts	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Total
Banff . . . . .	190	83	74	43	78	130	118	139	164	173	243	336	1,771

The following table shows the amount of ANTHRACITE Coal disposed of as Nut Coal each month in British Columbia:

Districts	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Total
Banff . . . . .	.....	114	185	.....	31	.....	.....	.....	75	64	86	.....	555

## THE MINES BRANCH

The following table shows the amount of DOMESTIC Coal disposed of as Lump Coal each month in Saskatchewan:

Districts	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Total
Pincher Creek.	18,181	15,700	16,158	22,259	15,593	39,772	36,723	47,709	21,473	40,106	45,840	25,780	345,294
Lethbridge....													
Magrath.....													
Milk River....	704	364	308	144		137	592	1,959	517	1,150	1,123	1,140	8,138
Taber.....													
Bow Island....													
Medicine Hat.	483	398						249	531	776	1,524	1,153	5,114
Aldersyde....													
High River....													
Drumheller....	20,287	17,346	13,211	9,936	4,144	6,887	28,488	61,396	30,055	37,945	60,805	29,279	319,779
Big Valley....	276	97	92		26		602	1,590	1,520	1,179	3,052	273	8,707
Brooks.....													
Hanna.....								30		360	1,180	231	1,801
Lacombe....												165	165
Trochu.....	33											290	323
Three Hills..	32	64					33	33	677	141	532	332	1,844
Carbon.....										69		240	309
Battle River..													
Camrose....	933	674	326	359			33	1,012	678	606	1,192	3,027	8,840
Tofield.....	1,630	762	289	29		32	134	808	1,474	2,369	5,678	2,262	15,467
Clover Bar....	2,382	1,724	1,059	490	806	619	1,330	3,978	2,864	2,790	3,949	2,133	24,124
Edmonton....													
Namso.....											75	35	110
Cardiff.....	973	667	295	68	42	33	63	1,214	493	1,328	1,324	1,038	7,538
Wabamun....	204	96	112			63	66	255	142	468	241	89	1,736
Pembina.....	292	354	271	33		279	734	1,018	685	714	1,380	523	6,283
Total.....	46,410	38,246	32,121	33,318	20,611	47,822	68,798	121,251	61,109	90,001	127,895	67,990	755,572

The following table shows the amount of DOMESTIC Coal disposed of as Run of Mine coal each month in Saskatchewan:

Districts	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Total
Pincher Creek	...	...	1,565	3,689	144	...	...	370	577	...	44	30	74
Lethbridge	...	...	...	...	...	...	...	...	...	...	33	...	6,378
Magrath	...	...	...	...	...	...	...	...	...	...	...	...	...
Taber	...	...	...	...	...	...	...	...	...	...	...	...	...
Bow Island	...	...	...	...	...	...	...	92	48	161	170	488	1,335
Medicine Hat	...	38	338	...	...	...	...	...	...	...	...	...	...
Aldersyde	...	...	...	...	...	...	...	...	...	...	...	...	...
High River	...	...	138	62	160	...	104	373	205	115	1,269	1,342	4,047
Drumheller	161	118	4,132	2,503	106	...	2,814	3,120	4,878	869	987	2,004	30,497
Big Valley	4,138	4,946	...	...	...	...	...	...	...	...	...	...	...
Brooks	...	...	...	1,791	...	...	...	...	...	...	...	...	1,791
Hanna	...	...	...	...	...	...	...	...	...	...	...	...	...
Lacombe	...	...	98	...	65	66	63	100	131	96	140	32	836
Trochu	...	45	...	...	...	...	...	...	...	...	...	...	...
Three Hills	...	...	...	...	...	...	...	...	...	...	...	...	...
Carbon	...	...	...	...	...	...	...	...	...	...	...	...	...
Battle River	...	...	...	...	...	...	...	...	...	...	...	...	...
Canrose	755	385	385	296	178	313	94	130	443	33	41	104	3,012
Tofield	...	...	34	32	129	73	33	...	...	...	...	...	446
Clover Bar	...	30	...	...	...	...	...	...	...	...	...	...	30
Edmonton	...	...	...	...	...	...	...	...	...	...	...	...	...
Namao	...	...	...	33	...	...	...	99	109	...	102	66	445
Cardiff	...	...	40	...	...	36	...	...	...	...	...	...	174
Wabamun	...	...	...	6,308	...	134	...	...	...	...	...	...	12,544
Pembina	...	2,628	3,608	...	...	...	...	...	...	...	...	...	...
Total	5,054	8,190	10,338	14,714	782	622	3,108	4,284	6,391	1,274	2,786	4,066	61,609

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The following table shows the amount of DOMESTIC Coal disposed of as Nut Coal each month in Saskatchewan:

Districts	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Total
Pincher Creek.	1,826	1,388	1,595	3,060	5,131	3,975	2,917	4,818	2,153	2,864	4,553	1,157	35,437
Lethbridge.													
Magrath.													
Milk River.	65	46	32	46		46	135	545	91	78	30	132	1,246
Taber.													
Bow Island.													
Medicine Hat.	290	244						387	136	79		560	1,696
Aldersyde.													
High River.													
Drumheller.	4,585	3,127	2,750	4,164	2,841	973	5,277	7,274	4,392	5,165	8,515	4,059	53,122
Big Valley.													
Brooks.													
Hanna.													
Lacombe.													
Trochu.						33							
Three Hills.													
Carbon.									235	31	65	66	103
Battle River.													
Camrose.	378	869	145	106				143	103	136	360	961	3,201
Tofield.													
Clover Bar.	475	294	524	193	105	100	238	286	913	204	754	548	4,634
Edmonton.												36	36
Namoo.													
Cardiff.	762	193	124				33	408	213	501	227	574	3,035
Wabamun.	182	63	215	148	113	212	448	815	1,351	1,647	891	1,633	7,718
Pembina.	2,452		33	46	2,006	30	77	1,750	2,935	2,475	1,069	3,295	16,168
Total.	11,015	6,224	5,418	7,763	10,196	5,369	9,125	16,426	12,522	13,180	17,475	13,582	128,295



The following table shows the amount of DOMESTIC Coal disposed of as Slack Coal each month in Saskatchewan:

Districts	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Total
Pincher Creek.	.....	.....	.....	.....	.....	.....	.....	.....	.....	92	146	157	809
Lethbridge.....	.....	149	95	170	.....	.....	.....	.....	.....	.....	.....	.....	.....
Magrath.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Milk River.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Taber.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Bow Island.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	514	.....	514
Medicine Hat.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Aldersyde.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
High River.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Drumheller.....	5,730	5,414	4,672	2,823	2,248	3,192	5,725	8,657	4,319	5,204	7,486	4,315	59,785
Big Valley.....	77	29	134	32	99	.....	.....	.....	.....	43	.....	.....	414
Brooks.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Hanna.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	1	.....	1
Lacombe.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	30	30
Trochu.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Three Hills.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Carbon.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Battle River.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Camrose.....	65	25	.....	.....	.....	.....	.....	32	.....	.....	.....	.....	122
Tofield.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Clover Bar.....	.....	.....	.....	.....	.....	28	.....	.....	.....	.....	.....	135	163
Edmonton.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Namoo.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Cardiff.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Wabamun.....	.....	.....	.....	.....	.....	49	.....	30	.....	.....	.....	.....	79
Pembina.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Total.....	5,872	5,617	4,901	3,025	2,347	3,269	5,725	8,719	4,319	5,339	8,147	4,637	61,917

The following table shows the amount of BITUMINOUS Coal disposed of as Lump Coal each month in Saskatchewan:

Districts	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Total
Crow's Nest P.	207	224	111	80	33	386	552	1,190	1,030	985	361	273	5,432
Canmore	467	118	262	276	187	154	46	86	740	35	872	568	321
Brazeau	201	194	282	232	60	610	1,092	2,348	1,629	194	2,579	1,427	5,050
Jasper Park	210	170	32	33	33	353	353	578	30	60	60	180	11,188
Yellowhead													1,739
Mountain Park													
Total.....	1,085	706	687	621	313	1,424	3,290	4,202	3,429	1,653	3,872	2,448	23,730

The following table shows the amount of BITUMINOUS Coal disposed of as Mine Run Coal each month in Saskatchewan:

Crow's Nest P.	4,919	3,091	2,329	1,343	1,440	1,859	3,441	13,508	1,985	2,726	4,389	3,437	44,467
Canmore	57	175	97	142	83	477	675	1,545	375	121	334	110	4,191
Brazeau			63		63	70		1,671		148			2,015
Jasper Park							990	1,006	748	682	175	1,015	8,866
Yellowhead	66	3,221	101	60	148	654	9,952	15,860	24,903	27,858	27,080	20,156	165,366
Mountain Park	6,884	7,450	9,313	5,809	4,091	6,010							
Total.....	11,926	13,937	11,903	7,354	5,825	9,070	15,058	33,590	28,011	31,555	31,978	24,718	224,905

The following table shows the amount of BITUMINOUS Coal disposed of as Nut Coal each month in Saskatchewan:

Crow's Nest P.	1,820	1,580	900	80	311	421	306	2,199	457	386	626	278	9,364
Canmore			47	33			48	505				137	770
Brazeau													
Jasper Park													
Yellowhead	109	62	61		245	268	1,229	1,338	264	37	860	436	4,909
Mountain Park													
Total.....	1,929	1,642	1,008	113	556	689	1,583	4,042	721	423	1,486	851	15,043

The following table shows the amount of BITUMINOUS Coal disposed of as Slack Coal each month in Saskatchewan:

Districts	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Total
Crow's Nest P.	1,984	1,406	1,415	983	745	1,142	1,276	4,553	376	460	468	279	15,088
Canmore	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Brazeau	.....	120	50	77	78	411	52	96	.....	.....	134	195	1,213
Jasper Park	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Yellowhead	34	182	134	44	.....	874	729	908	103	.....	280	748	4,036
Mountain Park	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Total	2,018	1,708	1,599	1,104	823	2,427	2,057	5,557	479	460	882	1,222	20,337

The following table shows the amount of ANTHRACITE Coal disposed of as Lump Coal each month in Saskatchewan:

Districts	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Total
Banff	190	150	115	129	122	106	123	169	.....	246	87	93	1,530

The following table shows the amount of ANTHRACITE Coal disposed of as Nut Coal each month in Saskatchewan:

Districts	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Total
Banff	118	144	85	88	41	74	202	85	42	207	129	288	1,503

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The following table shows the amount of DOMESTIC Coal disposed of as Lump Coal each month in Manitoba:

Districts	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Total
Pincher Creek.	7,476	6,207	8,511	3,876	4,859	10,488	7,586	7,387	2,002	6,551	5,726	5,222	75,891
Lethbridge.													
Magrath.													
Milk River.	78	79	169	46			997	3,208	381	690	1,026	417	7,091
Taber.													
Bow Island.	41												41
Medicine Hat.													
Aldersyde.													
High River.													
Drumheller.	20,478	12,087	11,048	5,818	4,334	5,439	13,572	24,566	19,229	25,146	33,533	21,523	196,773
Big Valley.	449	121	32	32	37		96						767
Brooks.													
Hanna.								60	30	30			150
Lacombe.													
Trochu.	200	129	65			60						110	564
Three Hills.	1,860	648	303	75	30	67	205	763	318	979	1,204	1,016	7,468
Carbon.												80	
Battle River.													
Camrose.	96	66	30	30	310		31	558	605	1,054	546	341	3,667
Tofield.	168	95	31				39	64	31	388	401	330	1,547
Clover Bar.	1,185	318	249	103	235	495	364	420	683	1,326	1,352	746	7,476
Edmonton.													
Namoo.													
Cardiff.	38					32	216	318	189	180	197	132	1,302
Wabamun.	266	44	33			34		85	107	136	141	30	876
Pembina.	466	1,033	1,082	417	401	590	1,135	1,727	586	1,238	1,394	458	10,527
Total.	32,801	20,827	21,553	10,397	10,206	17,205	24,241	39,156	24,161	37,718	45,550	30,405	314,220

The following table shows the amount of DOMESTIC Coal disposed of as Mine Run Coal each month in Manitoba:

Districts	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Total
Pincher Creek.	...	891	44	1,483	...	...	...	...	...	...	...	...	2,418
Lethbridge.	...	...	...	...	...	...	...	...	...	...	...	...	...
Magrath.	...	...	...	...	...	...	...	...	...	...	...	...	...
Milk River.	...	...	...	...	...	145	...	...	...	...	...	...	145
Taber.	...	...	...	...	...	...	...	...	...	...	...	...	...
Bow Island.	...	...	...	...	...	...	...	...	...	...	...	...	...
Medicine Hat.	...	...	...	...	...	...	...	...	...	...	...	...	...
Aldersyde.	...	...	...	...	...	...	...	...	...	...	...	...	...
High River.	...	...	...	...	...	...	...	...	...	...	...	...	...
Drumheller.	...	...	...	...	34	...	...	...	40	...	...	...	74
Big Valley.	...	...	...	...	...	...	42	...	...	...	...	...	42
Brooks.	...	...	...	...	...	...	...	...	...	...	...	...	...
Hanna.	...	...	...	...	...	...	...	...	...	...	...	...	...
Lacombe.	...	...	...	...	...	...	...	...	...	...	...	...	...
Trochu.	...	...	32	...	...	...	...	196	...	...	...	...	228
Three Hills.	...	...	...	...	...	...	...	...	...	...	...	...	...
Carbon.	...	...	...	...	...	...	...	...	...	...	...	...	...
Battle River.	...	...	...	...	...	...	...	...	...	...	...	...	...
Camrose.	44	...	...	...	...	...	...	...	...	...	...	...	44
Tofield.	...	...	...	...	...	...	...	...	...	...	...	...	...
Clover Bar.	...	...	...	86	...	...	...	1,238	...	...	...	...	1,324
Edmonton.	...	...	...	...	...	...	...	...	...	...	...	...	...
Namoo.	...	...	...	...	...	...	...	...	...	...	...	...	...
Cardiff.	...	...	...	...	...	...	...	37	...	...	...	...	37
Wabamun.	...	...	...	...	33	...	...	78	...	...	...	...	145
Pembina.	...	617	708	...	...	...	34	...	...	...	...	...	1,325
Total.....	44	1,508	784	1,569	67	145	76	1,549	40	...	...	...	5,782

## THE MINES BRANCH

The following table shows the amount of DOMESTIC Coal disposed of as Nut Coal each month in Manitoba:

Districts	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Total
Pincher Creek.	361	224	291	264	95	802	891	650	427	353	221	241	4,820
Lethbridge.	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Magrath.	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Milk River.	.....	.....	.....	.....	.....	.....	.....	177	.....	.....	158	.....	368
Taber.	.....	.....	33	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Bow Island.	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Medicine Hat.	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Aldersyde.	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
High River.	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Drumheller.	3,347	1,940	2,544	709	1,170	663	5,281	5,828	4,727	6,249	8,694	4,910	46,062
Big Valley.	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Brooks.	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Hanna.	130	.....	30	.....	.....	.....	.....	.....	.....	.....	.....	.....	160
Lacombe.	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Trochu.	62	31	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Three Hills.	562	90	33	.....	.....	.....	.....	123	37	202	251	341	1,639
Carbon.	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Battle River.	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Camrose.	.....	.....	.....	.....	.....	.....	.....	199	78	191	74	142	684
Tofield.	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Clover Bar.	704	290	711	247	98	100	66	410	354	332	1,109	700	5,121
Edmonton.	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Namoo.	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Cardiff.	139	171	106	42	33	.....	.....	33	33	.....	67	.....	133
Wabamun.	.....	.....	.....	.....	.....	.....	.....	445	128	.....	308	189	1,776
Pembina.	525	689	1,025	536	482	67	158	1,312	1,330	2,435	1,633	1,987	12,179
Total.	5,830	3,435	4,773	1,798	1,878	1,722	6,396	9,177	7,114	9,887	12,515	8,510	72,942.

The following table shows the amount of DOMESTIC Coal disposed of as Slack Coal each month in Manitoba:

Districts	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Total
Pincher Creek.	189	83		48			97						417
Lethbridge....													
Magrath.....													
Milk River...													
Taber.....													
Bow Island...													
Medicine Hat..													
Aldersyde....													
High River...	749	456	420	411		129	1,575	6,034	1,330	507	520	287	12,418
Drumheller...													
Big Valley...													
Brooks.....													
Hanna.....													
Lacombe.....													
Trochu.....													
Three Hills...	113											35	113
Carbon.....												33	35
Battle River..										68			101
Camrose.....													
Tofield.....								130				67	197
Clover Bar...													
Edmonton....													
Namoo.....													
Cardiff.....													
Wabamun....													
Pembina.....	717	321	126				258	611	105				2,138
Total.....	1,768	860	546	459		129	1,930	6,775	1,435	575	520	422	15,419

The following table shows the amount of BITUMINOUS Coal disposed of as Lump Coal each month in Manitoba:

Districts	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Total
Crow's Nest P.	47	.....	98	.....	77	138	564	1,423	433	488	228	191	3,087
Canmore.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Brazeau.....	1,204	1,058	495	241	160	921	.....	.....	561	326	797	873	6,636
Jasper Park.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Yellowhead.....	1,397	1,005	857	234	142	764	622	898	844	1,066	914	1,114	9,857
Mountain Park	160	.....	.....	.....	.....	.....	.....	221	631	.....	.....	.....	1,012
Total.....	5,808	2,063	1,450	475	379	1,823	1,186	2,542	2,469	1,880	1,939	2,178	21,192

The following table shows the amount of BITUMINOUS Coal disposed of as Mine Run Coal each month in Manitoba:

Crow's Nest P.	3,172	1,946	1,417	521	615	786	4,545	6,296	423	606	508	729	21,564
Canmore.....	.....	.....	.....	.....	.....	.....	32	85	41	.....	.....	.....	158
Brazeau.....	.....	132	40	.....	.....	.....	217	771	.....	78	.....	33	1,271
Jasper Park.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Yellowhead.....	70	228	77	90	223	123	214	983	731	245	708	801	4,493
Mountain Park	94	68	115	749	249	1,478	5,719	8,502	129	170	259	941	18,473
Total.....	3,336	2,374	1,649	1,360	1,087	2,387	10,727	16,637	1,324	1,099	1,475	2,504	45,959

The following table shows the amount of BITUMINOUS Coal disposed of as Nut Coal each month in Manitoba:

Crow's Nest P.	500	409	432	.....	.....	165	152	33	47	99	33	.....	1,870
Canmore.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Brazeau.....	150	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	150
Jasper Park.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Yellowhead.....	1,117	101	363	29	30	410	488	625	224	164	122	291	3,964
Mountain Park	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Total.....	1,767	510	795	29	30	575	640	658	271	263	155	291	5,981



The following table shows the amount of BITUMINOUS Coal disposed of as Slack Coal each month in Manitoba:

Districts	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Total
Crow's Nest P.	2,034	1,104	175	33	47	152	1,051	2,423	57	.....	.....	.....	7,076
Canmore.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Brazeau.....	1,308	1,556	769	87	28	44	.....	282	.....	394	550	262	5,280
Jasper Park.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Yellowhead.....	.....	29	.....	.....	.....	54	49	32	893	.....	.....	.....	1,057
Mountain Park	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Total.....	3,342	2,689	944	120	75	250	1,100	2,737	950	394	550	262	13,413

The following table shows the amount of ANTHRACITE Coal disposed of as Lump Coal each month in Manitoba:

Districts	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Total
Banff.....	67	41	33	.....	.....	.....	128	42	41	.....	32	.....	384

## THE MINES BRANCH

The following table shows the amount of DOMESTIC Coal disposed of as Lump coal each month in Ontario:

Districts	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Total
Pincher Creek.	47	46	80	...	99	47	46	46	...	...	90	79	580
Lethbridge.	...	...	...	...	...	...	...	...	...	...	...	...	...
Magrath.	...	...	...	...	...	...	...	...	...	...	...	...	...
Milk River.	...	...	...	...	...	...	...	...	...	44	44	...	224
Taber.	...	...	...	...	...	...	47	44	45	...	...	...	...
Bow Island.	...	...	...	...	...	...	...	...	...	...	...	...	...
Medicine Hat.	...	...	...	...	...	...	...	...	...	...	...	...	...
Aldersyde.	...	...	...	...	...	...	...	...	...	...	...	...	...
High River.	108	41	116	...	31	32	31	268	194	498	241	198	1,758
Drumheller.	...	...	...	...	...	...	...	...	...	...	...	...	...
Big Valley.	...	...	...	...	...	...	...	...	...	...	...	...	...
Brooks.	...	...	...	...	...	...	...	...	...	...	...	...	...
Hanna.	...	...	...	...	...	...	...	...	...	...	...	...	...
Lacombe.	...	...	...	...	...	...	...	...	...	...	...	...	...
Trochu.	...	...	...	...	...	...	...	...	...	...	...	...	...
Three Hills.	...	...	...	...	...	...	...	...	...	...	...	...	...
Carbon.	...	...	...	...	...	...	...	...	...	...	...	...	...
Battle River.	...	...	...	...	...	...	...	...	...	...	...	...	...
Camrose.	...	...	...	...	...	...	...	...	...	...	...	...	...
Tofield.	...	...	...	...	...	...	...	...	...	32	...	...	63
Clover Bar.	...	...	...	...	...	...	31	...	...	...	...	...	...
Edmonton.	...	...	...	...	...	...	...	...	...	...	...	...	...
Nanao.	...	...	...	...	...	...	...	...	...	...	...	...	...
Cardiff.	...	...	...	...	...	...	...	...	...	...	...	...	...
Wabamun.	...	...	...	...	...	...	...	...	...	...	...	...	...
Pembina.	...	...	...	...	36	...	...	32	32	33	40	32	205
Total.	155	87	196	...	166	79	155	390	271	607	415	309	2,830



## THE MINES BRANCH

The following table shows the amount of DOMESTIC Coal disposed of as Nut Coal each month in Ontario:

Districts	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Total
Pincher Creek.	...	...	125	77	31	...	47	226	...	79	44	510	1,139
Lethbridge.	...	...	...	...	...	...	...	...	...	...	...	...	...
Magrath.	...	...	...	...	...	...	...	...	...	...	...	...	...
Milk River.	...	...	...	...	...	...	...	33	...	...	33	...	99
Taber.	33	...	...	...	...	...	...	...	...	...	...	...	...
Bow Island.	...	...	...	...	...	...	...	...	...	...	...	...	...
Medicine Hat.	...	...	...	...	...	...	...	...	...	...	...	...	...
Aldersyde.	...	...	...	...	...	...	...	...	...	...	...	...	...
High River.	...	...	...	...	...	...	...	...	...	...	...	...	...
Drumheller.	682	150	201	...	...	30	144	160	141	192	362	107	2,169
Big Valley.	...	...	...	...	...	...	...	...	...	...	...	...	...
Brooks.	...	...	...	...	...	...	...	...	...	...	...	...	...
Hanna.	...	...	...	...	...	...	...	...	...	...	...	...	...
Lacombe.	...	...	...	...	...	...	...	...	...	...	...	...	...
Trochu.	...	...	...	...	...	...	...	...	...	...	...	...	...
Three Hills.	...	...	...	...	...	...	...	...	...	...	...	...	...
Carbon.	...	...	...	...	...	...	...	...	...	...	...	...	...
Battle River.	...	...	...	...	...	...	...	...	...	...	...	...	...
Camrose.	...	...	...	...	...	...	...	...	...	...	...	...	...
Tofield.	...	...	...	...	...	...	...	30	93	232	98	75	528
Clover Bar.	...	...	...	...	...	...	...	...	...	...	...	...	...
Edmonton.	...	...	...	...	...	...	...	...	...	...	...	...	...
Namoo.	...	...	...	...	...	...	...	...	...	...	...	...	...
Cardiff.	...	...	...	...	...	...	...	...	...	...	...	...	...
Wabamun.	...	...	...	...	...	...	...	...	...	...	...	...	...
Total.....	715	150	326	77	31	30	191	449	234	503	537	692	3,935

The following table shows the amount of DOMESTIC Coal disposed of as Slack Coal each month in Ontario:

Districts	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Total
Pincher Creek.	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Lethbridge....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Magrath.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Milk River...	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Taber.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Bow Island...	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Medicine Hat.	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Aldersyde....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
High River...	.....	.....	.....	.....	.....	.....	.....	30	.....	.....	.....	.....	.....
Drumbeller...	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Big Valley...	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Brooks.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Hanna.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Lacombe.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Trochu.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Three Hills...	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Carbon.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Battle River..	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Camrose.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Tofield.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Clover Bar...	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Edmonton....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Namoo.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Cardiff.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Wabamun....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Pembina.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Total.....	.....	.....	.....	.....	.....	.....	.....	30	.....	.....	.....	.....	30





## THE MINES BRANCH

The following table shows the amount of DOMESTIC Coal disposed of as Lump Coal each month in the United States:

Districts	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Total
Pincher Creek.	32	33	75	38	...	...	310	1,398	...	164	...	...	2,050
Lethbridge.	...	...	...	...	...	...	...	...	...	...	...	...	...
Magrath.	12	8	5	5	6	...	6	55	17	52	17	14	197
Milk River.	125	217	...	...	...	...	...	157	134	129	...	...	762
Taber.	...	...	...	...	...	...	...	...	...	...	...	...	...
Bow Island.	...	...	...	...	...	...	...	...	...	...	...	...	...
Medicine Hat.	...	73	...	...	...	...	...	...	...	...	...	308	381
Aldersyde.	...	...	...	...	...	...	...	...	...	...	...	...	...
High River.	...	...	...	...	...	...	...	...	...	...	...	...	...
Drumheller.	86	...	...	...	...	...	...	...	87	106	65	43	387
Big Valley.	42	...	...	...	...	...	...	...	...	...	...	...	42
Brooks.	...	...	...	...	...	...	...	...	...	...	...	...	...
Hanna.	...	...	...	...	...	...	...	...	...	...	...	...	...
Lacombe.	...	...	...	...	...	...	...	...	...	...	...	...	...
Trochu.	...	...	...	...	...	...	...	...	...	...	...	...	...
Three Hills.	...	...	...	...	...	...	...	...	...	...	...	...	...
Carbon.	...	...	...	...	...	...	...	...	...	...	...	...	...
Battle River.	...	...	...	...	...	...	...	...	...	...	...	...	...
Camrose.	...	...	...	...	...	...	...	...	...	...	...	...	...
Tofield.	...	...	...	...	...	...	...	...	...	...	...	...	...
Clover Bar.	...	...	...	...	...	...	...	...	...	...	...	...	...
Edmonton.	...	...	...	...	...	...	...	...	...	...	...	...	...
Namoo.	...	...	...	...	...	...	...	...	...	...	...	...	...
Cardiff.	...	...	...	...	...	...	...	...	...	...	...	...	...
Wabamun.	...	...	...	...	...	...	...	...	...	...	...	...	...
Pembina.	...	...	...	...	...	...	...	...	...	...	...	...	...
Total.....	297	331	80	43	6	...	316	1,610	238	451	82	365	3,819



The following table shows the amount of DOMESTIC Coal disposed of as Mine Run Coal each month in United States:

Districts	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Total
Pincher Creek.	.....	.....	58	.....	.....	.....	33	343	611	871	.....	232	2,148
Lethbridge....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Magrath.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Milk River....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	66	69	168
Taber.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	136	136
Bow Island....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Medicine Hat.	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Aldersyde....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
High River....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Drumheller....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Big Valley....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Brooks.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Hanna.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Lacombe.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Trochu.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Three Hills....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Carbon.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Battle River..	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Camrose.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Tofield.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Clover Bar....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Edmonton....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Namoo.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Cardiff.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Wabamun.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Pembina.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Total.....	.....	.....	58	.....	.....	.....	33	343	611	904	66	437	2,452

## THE MINES BRANCH

The following table shows the amount of DOMESTIC Coal disposed of as Nut Coal each month in United States:

Districts	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Total
Pincher Creek.	143	440	446	280	251	218	182		1,842	2,100	2,077	86	8,065
Lethbridge.													
Magrath.	1	1											2
Milk River.	66	33	33				280	797	585	464	647	342	3,247
Taber.													
Bow Island.												31	31
Medicine Hat.													
Aldersyde.													
High River.													
Drumheller.	44							100	36	36	67		283
Big Valley.													
Brooks.													
Hanna.													
Lacombe.													
Trochu.													
Three Hills.													
Carbon.													
Battle River.													
Camrose.													
Tofield.													
Clover Bar.													
Edmonton.													
Namoo.													
Cardiff.													
Wabamun.													
Pembina.													
Total.....	254	474	479	280	251	218	462	897	2,463	2,600	2,791	459	11,628

The following table shows the amount of DOMESTIC Coal disposed of as Slack Coal each month in United States:

Districts	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Total
Pincher Creek.	93	1,672	2,927	4,026	767	2,609	504	223	434	1,175	599		15,029
Lethbridge.													
Magrath.													
Milk River.													
Taber.								47					47
Bow Island.													
Medicine Hat.													
Aldersyde.													
High River.													
Drumheller.										110			110
Big Valley.													
Brooks.													
Hanna.													
Lacombe.													
Trochu.													
Three Hills.													
Carbon.													
Battle River.													
Camrose.													
Tofield.													
Clover Bar.													
Edmonton.													
Namoo.													
Cardiff.													
Wabamun.													
Pembina.													
Total.	93	1,672	2,927	4,026	767	2,609	504	270	434	1,285	599		15,186

The following table shows the amount of BITUMINOUS Coal disposed of as Lump Coal each month in United States:

Districts	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Total
Crow's Nest P.	33	66	.....	44	.....	.....	.....	84	104	160	33	.....	524
Cannore.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	30	.....	.....	30
Brazeau.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Jasper Park.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Yellowhead.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Mountain Park.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Total.....	33	66	.....	44	.....	.....	.....	84	104	190	33	.....	554

The following table shows the amount of BITUMINOUS Coal disposed of as Mine Run Coal each month in United States:

Districts	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Total
Crow's Nest P.	4,098	3,916	6,432	5,409	5,896	337	5,600	6,877	1,044	10,476	12,974	21,617	84,676
Cannore.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Brazeau.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Jasper Park.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Yellowhead.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Mountain Park.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Total.....	4,098	3,916	6,432	5,409	5,896	337	5,600	6,877	1,044	10,476	12,974	21,617	84,676

The following table shows the amount of BITUMINOUS Coal disposed of as Nut Coal each month in United States:

Districts	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Total
Crow's Nest P.	.....	127	138	91	33	188	.....	219	132	42	.....	.....	970
Cannore.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Brazeau.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Jasper Park.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Yellowhead.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Mountain Park.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Total.....	.....	127	138	91	33	188	.....	219	132	42	.....	.....	970

The following table shows the amount of BITUMINOUS Coal disposed of as Slack Coal each month in United States:

Districts	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Total
Crow's Nest P.	678	408	454	218	113	898	274	1,120	1,534	4,189	2,472	1,772	14,130
Canmore	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Brazeau	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Jasper Park	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Yellowhead	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Mountain Park	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Total.....	678	408	454	218	113	898	274	1,120	1,534	4,189	2,472	1,772	14,130

The following table shows the amount of ANTHRACITE Coal disposed of as Lump Coal each month in United States:

Districts	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Total
Banff.....	36	.....	.....	.....	.....	.....	.....	.....	.....	30	.....	.....	66

## THE MINES BRANCH

The following table shows the amount of DOMESTIC Coal used per month under Colliery Boilers:

Districts	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Total
Pincher Creek.	6,041	5,524	6,080	6,524	6,885	7,241	6,790	7,562	10	12	4	5	31
Lethbridge.	.....	.....	.....	.....	.....	.....	.....	.....	6,650	6,929	7,849	6,603	80,678
Magrath.	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Milk River.	1,076	855	903	899	870	98	1,013	1,280	1,585	1,779	1,898	1,616	13,872
Taber.	.....	.....	.....	.....	.....	3	.....	.....	64	79	107	109	3
Bow Island.	60	79	19	1	1	1	.....	27	.....	.....	.....	.....	548
Medicine Hat.	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Aldersyde.	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
High River.	.....	7	6	.....	.....	.....	.....	.....	.....	.....	.....	.....	13
Drumheller.	3,939	2,917	3,269	2,642	2,180	2,020	4,280	4,523	3,965	4,386	4,952	4,406	43,379
Big Valley.	85	125	150	115	98	50	135	175	180	380	180	210	1,708
Brooks.	3	3	2	1	1	.....	2	12	1	9	3	74	111
Hanna.	32	29	31	22	.....	.....	14	15	18	52	131	83	427
Lacombe.	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Trochu.	114	43	52	50	30	20	40	40	148	240	134	.....	911
Three Hills.	350	230	347	195	180	200	235	285	310	329	285	250	3,196
Carbon.	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Battle River.	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Camrose.	220	194	139	124	93	72	65	149	156	181	213	195	1,801
Tofield.	40	40	55	31	50	120	130	130	90	45	55	55	841
Clover Bar.	2,586	2,270	2,598	1,753	1,370	1,233	1,901	2,250	2,185	2,107	2,385	2,109	24,747
Edmonton.	890	798	655	600	330	280	280	280	200	220	230	230	4,993
Namoo.	295	227	10	.....	.....	.....	.....	.....	.....	.....	39	26	597
Cardiff.	931	750	837	726	571	594	601	700	610	608	716	711	8,355
Wabamun.	180	60	90	30	30	60	72	104	100	90	90	160	1,066
Pembina.	1,117	1,001	1,124	1,129	851	849	819	1,121	1,110	1,083	1,048	973	12,219
Total.	17,853	15,152	16,367	14,842	13,540	12,841	16,378	18,653	17,382	18,529	20,319	17,815	199,496

The following table shows the amount of BITUMINOUS Coal used per month under Colliery Boilers:

Districts	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Total
Crow's Nest P.	6,229	5,728	6,042	5,647	4,914	5,111	4,572	5,184	5,006	4,875	5,182	5,594	64,084
Canmore . . . . .	1,382	1,199	1,251	1,200	1,146	1,128	991	1,212	1,200	1,150	1,290	1,424	14,663
Brazeau . . . . .	985	948	1,009	757	729	607	795	854	863	897	1,120	1,194	10,758
Jasper Park . . . .	1,229	1,249	1,142	1,022	947	661	762	920	818	957	1,160	1,391	12,258
Yellowhead . . . .	649	631	765	537	437	528	607	711	931	180	600	755	7,331
Mountain Park . . .	1,248	1,184	1,236	971	1,009	890	1,048	1,021	961	942	1,178	1,474	13,162
Total . . . . .	11,722	10,939	11,445	10,134	9,182	8,925	8,775	9,902	9,869	9,001	10,530	11,832	122,256

The following table shows the amount of ANTHRACITE Coal used per month under Colliery Boilers:

Districts	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Total
Banff . . . . .	2,155	1,402	2,100	2,076	788	955	1,577	1,499	1,842	2,272	1,953	2,168	20,787

The following table shows the amount of BRIQUETTES used per month under Colliery Boilers:

Districts	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Total
Briquettes . . . . .	5	2	4	2	1	1	2	.....	2	1	4	3	27

The following table shows the amount of ANTHRACITE Coal used making Briquettes:

Districts	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Total
Banff .....	4,763	2,494	4,894	5,534	3,493	4,270	5,586	3,837	5,322	6,917	5,348	4,755	57,213



The following table shows the amount of DOMESTIC Coal put to stock:

Districts	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Total
Pincher Creek.	2,799	995	832	1,974	3,895	1,116	1,535	2,324	4,673	1,823	3,560	1,519	27,045
Lethbridge.											10		43
Magrath.													27,045
Milk River.													
Taber.		91						339					430
Bow Island.													
Medicine Hat.													
Aldersyde.													
High River.		160	164		20		7	20	49			30	450
Drumheller.	400	615	37	87	1,210		1,559	81	30	698	826	1,105	6,648
Big Valley.													
Brooks.													
Hanna.	14						9						43
Lacombe.			5	20									49
Trochu.	95	25		14	7					512	30		706
Three Hills.	19	24	30			96	31	87	17	28	30		505
Carbon.									160				160
Battle River.												10	10
Canrose.													
Tofield.													
Clover Bar.											50		50
Edmonton.													
Namoo.													
Cardiff.													
Wabamun.		100	139	255		696	79	146	280	412	788	300	300
Pembina.	137											241	3,253
Total.	3,464	2,010	1,207	2,330	5,132	1,908	3,247	3,003	5,209	3,473	5,344	3,205	39,532

The following table shows the amount of BITUMINOUS Coal put to stock:

Districts	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Total
Crow's Nest P.	1,382	1,056	2,163	109	.....	1,634	876	238	560	610	853	1,832	11,313
Canmore .....	430	150	660	1,225	470	86	500	140	550	920	760	750	6,641
Brazeau .....	626	821	780	490	340	.....	500	.....	500	560	587	307	5,511
Jasper Park .....	.....	.....	367	367	620	.....	.....	.....	.....	.....	.....	.....	1,354
Yellowhead .....	180	30	110	140	.....	.....	10	20	25	220	265	301	1,301
Mountain Park	.....	.....	.....	.....	200	200	.....	800	900	900	790	220	4,010
Total .....	2,618	2,057	4,080	2,331	1,630	1,920	1,886	1,198	2,535	3,210	3,255	3,410	30,130

The following table shows the amount of ANTHRACITE Coal and BRIQUETTES put to stock:

	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Total
Banff .....	186	231	.....	82	54	.....	79	.....	46	117	36	4	835
Briquettes .....	333	.....	.....	.....	482	.....	1,085	.....	.....	230	.....	.....	2,130

The following table shows the amount of DOMESTIC Coal put to waste:

Districts	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Total
Pincher Creek.	125						15	1,429	1,835	1,275	18	674	158
Lethbridge....	976	242	1,137	944	992	2,016	1,819				1,375		14,714
Magrath.....													
Milk River...													
Taber.....	94	533	512	198	61	30	401	1,430	451	130	14	15	29
Bow Island...	19	16	20	12	4	3	4	3	11	59	35	580	5,649
Medicine Hat.	21	21	17	3	3	4	3	23	15	271	150	126	216
Aldersyde....	39	23	25	10	10	6	7	6	16	44	64	37	657
High River...	20												287
Drumheller...	1,117	1,227	403	497	455	83	1,522	3,844	1,815	2,208	2,647	727	20
Big Valley...	50							400				6	16,545
Brooks.....					30							159	456
Hanna.....	47	33	22	11	12	22	13	27	63	127	108	53	189
Lacombe.....	10	2								56		30	588
Trochu.....	186	144	114	47	61	24	18	46	67	172	360	125	99
Three Hills...	345	88	20	5	19	10	11	117	459	225	402	345	1,364
Carbon.....	180	141	89	11	12	3	24	43	44	154	132	363	2,046
Battle River...	180	162	32	5	5	5	5	5	10	158	244	158	1,196
Camrose.....	171	109	87	122	24	131	6	553	302	962	1,502	872	969
Tofield.....	90	35	20	4		5		5	15	25	50	35	4,841
Clover Bar...	350	300						139			110	373	284
Edmonton....	95	54	3	8			12		20	10	66	133	1,272
Namoo.....	15										20		401
Cardiff.....	97	40	80	130	21		98	34	110	115	100	125	35
Wabamun....													950
Pembina.....	102	573	863	311	174	162	136	1,145	1,033	673	730	320	6,222
Total.....	4,329	3,743	3,444	2,318	1,883	2,504	4,094	9,249	6,267	6,664	9,356	5,286	59,137

The following table shows the amount of BITUMINOUS Coal put to waste:

Districts	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Total
Crow's Nest P.	241	254	239	176	165	224	162	225	201	186	246	180	2,499
Canmore.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Brazeau.....	621	643	768	768	200	.....	.....	.....	.....	.....	.....	.....	3,000
Jasper Park...	8	.....	.....	.....	15	.....	240	60	100	.....	.....	.....	423
Yellowhead...	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Mountain Park	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Total.....	870	897	1,007	944	380	224	402	285	301	186	246	180	5,922

The following table shows the amount of ANTHRACITE Coal put to waste:

District	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Total
Banff.....	938	515	707	881	468	573	747	494	682	914	794	938	8,651

The following table shows the amount of DOMESTIC Coal lifted from stock:

Districts	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Total
Pincher Creek...	632	5,913	4,889	4,983	1,415	2,394	2,229	1,106	1,145	4,216	1,316	5,101	35,339
Lethbridge...													
Magrath...													
Milk River...			91				508		339				938
Taber...					22								22
Bow Island...													
Medicine Hat...													
Aldersyde...					20	21	7						66
High River...		293	714	18	111		2,068	641	81	30	698	826	5,998
Drumheller...	366			170									
Big Valley...													
Brooks...													
Hanna...													7
Lacombe...													
Trochu...		91										30	30
Three Hills...	100	11	24	30			97	31	87	160	28	28	91
Carbon...													596
Battle River...													
Camrose...													
Tofield...													
Clover Bar...									139				139
Edmonton...													
Namoo...													
Cardiff...													
Wabamun...		137	100	139	235		696	79	146	280	412	788	3,152
Pembina...	140												
Total.....	1,238	6,445	5,818	5,340	1,803	2,415	5,605	1,857	1,937	4,693	2,454	6,773	46,378

The following table shows the amount of BITUMINOUS Coal lifted from stock:

Districts	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Total
Crow's Nest P.	738	10	264	1,329	1,612	.....	1,383	826	.....	459	1,146	441	8,208
Canmore.....	330	430	150	660	1,225	470	86	500	140	550	920	760	6,221
Brazeau.....	115	626	821	800	490	.....	.....	500	.....	500	500	587	4,938
Jasper Park...	.....	.....	.....	.....	.....	620	.....	.....	.....	2,350	.....	.....	2,970
Yellowhead...	.....	95	95	.....	.....	145	10	.....	5	15	.....	.....	365
Mountain Park	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Total.....	1,183	1,161	1,330	2,789	3,327	1,235	1,479	1,826	145	3,874	2,566	1,788	22,703

The following table shows the amount of ANTHRACITE Coal and BRIQUETTES lifted from stock:

	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Total
Banff.....	847	15	867	1,180	441	164	876	756	932	1,652	1,508	1,181	10,419
Briquettes.....	.....	445	33	17	.....	308	.....	1,084	158	.....	.....	372	2,417

The following table shows the amount of DOMESTIC Coal lifted from waste:

Districts	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Total
Pincher Creek.				38					1,903	596	1,177		38
Lethbridge.	341												4,017
Magrath.													
Milk River.									1,149	595	1,139	1,037	7,927
Taber.	645	754	866	872	870								10
Bow Island.					10								
Medicine Hat.													
Aldersyde.													
High River.													
Drumheller.	200	400	637	20	530				660	300			2,747
Big Valley.			25										25
Brooks.													
Hanna.													
Lacombe.													
Trochu.			96			5							101
Three Hills.			60	83	43	122	150					67	525
Carbon.													
Battle River.													
Camrose.													
Tofield.													
Clover Bar.			40					262					302
Edmonton.													
Namoo.													
Cardiff.													
Wabamun.													
Pembina.													
Total.	1,186	1,154	1,724	1,013	1,453	127	150	262	3,712	1,491	2,316	1,104	15,692

The following table shows the amount of BITUMINOUS Coal lifted from waste:

Districts	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Total
Crow's Nest P.	.....	.....	.....	.....	.....	.....	.....	.....	261	.....	.....	.....	261
Canmore.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Brazeau.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Jasper Park...	.....	.....	.....	.....	15	.....	.....	.....	.....	.....	.....	.....	15
Yellowhead...	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Mountain Park	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Total.....	.....	.....	.....	.....	15	.....	.....	.....	261	.....	.....	.....	276





## THE MINES BRANCH

The following table shows the classification of persons employed in the DOMESTIC Coal Field at December 31, 1921:

Name of District	UNDER GROUND					ABOVE GROUND					Total Above Ground and Below Ground
	Super- vision	Miners and Helpers	Haulage Em- ploy- ees	Mech's and Skilled Labour	Others	Total	Super- vision	Mech's and Skilled Labour	Clerical Asstce.	Others	Total
Pincher Creek.....	4	17	272	79	1	22	14	1	25	1	2
Lethbridge.....	49	791	14	14	87	1,278	159	229	1	427	1,705
Magrath.....	18	14	50	20	15	226	1	2	1	3	15
Milk River.....	10	174	4	4	6	269	27	36	4	72	25
Taber.....	2	19	34	34	1	21	1	1	1	3	341
Bow Island.....	2	34	4	4	6	46	1	1	1	6	21
Medicine Hat.....	4	30	3	3	1	23	2	1	1	3	55
Aldersyde.....	3	19	406	86	1	1,940	35	103	37	320	37
High River.....	65	1,227	9	3	10	1,118	3	4	1	16	28
Drumheller.....	5	91	65	65	1	65	1	2	1	2	2,435
Big Valley.....	16	68	3	3	87	87	5	5	1	10	142
Brooks.....	6	64	6	6	76	76	2	2	1	3	70
Hanna.....	6	47	8	4	65	65	7	4	1	10	109
Lacombe.....	3	64	7	1	6	81	2	4	3	21	82
Trochu.....	7	83	5	3	85	95	1	3	2	13	100
Three Hills.....	9	73	3	1	94	94	3	3	3	11	102
Carbon.....	3	74	15	1	1	85	7	4	3	15	110
Battle River.....	4	417	72	51	63	626	3	38	3	49	91
Camrose.....	23	168	31	6	13	236	11	11	2	63	157
Tofield.....	18	29	8	4	30	39	4	4	9	33	71
Clover Bar.....	2	127	19	4	19	185	5	13	4	27	786
Edmonton.....	5	38	10	8	19	49	4	4	6	46	282
Namoo.....	1	59	20	8	19	112	4	9	1	39	51
Cardiff.....	6	59	20	8	19	112	4	9	1	12	66
Wabamun.....	253	3,814	948	263	408	5,686	118	403	109	1,033	192
Pembina.....	253	3,814	948	263	408	5,686	118	403	109	1,033	192
Total.....	253	3,814	948	263	408	5,686	118	403	109	1,033	7,349

The following table shows the classification of persons employed in the BITUMINOUS Coal Field, at December 31, 1921:

Name of District	UNDER GROUND					ABOVE GROUND					Total Above and Below Ground
	Super-vision	Miners and Helpers	Haulage and Employ-ees	Mech's and Skilled Labour	Others	Total	Super-vision	Mech's and Skilled Labour	Clerical Assitce.	Others	Total
Crow's Nest Pass.....	68	651	193	7	344	1,263	28	103	24	407	562
Canmore.....	15	137	55	5	29	241	1	25	9	48	83
Brazeau.....	22	289	141	47	58	557	9	50	17	110	186
Jasper Park.....	12	349	63	15	96	535	7	89	14	123	233
Yellowhead.....	5	128	9	....	12	154	10	42	11	164	227
Mountain Park.....	22	207	108	7	76	420	4	37	9	81	131
Total.....	144	1,761	569	81	615	3,170	59	346	84	933	1,422

The following table shows the classification of persons employed in the ANTHRACITE Coal Field, December 31, 1921:

Name of District	Super-vision	Miners and Helpers	Haulage and Employ-ees	Mech's and Skilled Labour	Others	Total	Super-vision	Mech's and Skilled Labour	Clerical Assitce.	Others	Bri-quette Plant	Total	Total Above and Below Ground
Banff.....	8	29	11	....	93	141	1	38	7	97	11	154	295

The following table shows the number of persons employed during each month in the DOMESTIC Coal Field above and below ground:

Districts	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Average
Pincher Creek.	11	11	5	2	4	6	12	20	28	34	28	24	15
Lethbridge....	1,701	1,597	1,513	1,454	1,481	1,563	1,636	1,605	1,618	1,720	1,766	1,705	1,616
Magrath.....	10	4	8	8	5	7	6	5	12	17	18	15	10
Milk River....	43	29	24	14	16	14	18	16	20	35	28	21	35
Taber.....	309	257	190	177	41	39	147	204	276	299	340	341	218
Bow Island....	14	12	10	11	10	8	10	11	15	23	20	21	13
Medicine Hat.	29	29	22	15	5	4	4	32	40	55	56	55	29
Aldersyde.....	23	21	19	10	11	14	9	17	23	47	52	37	24
High River....	16	14	9	3	1	1	4	2	5	16	25	28	10
Drumheller....	2,005	1,635	1,229	1,115	929	1,299	1,735	2,429	2,421	2,506	2,630	2,435	1,868
Big Valley....	95	89	71	64	64	61	83	105	135	118	126	142	96
Brooks.....	48	44	35	20	12	14	12	16	21	65	82	70	37
Hanna.....	56	22	41	29	22	25	25	34	40	93	202	109	58
Lacombe.....	46	42	37	16	7	8	6	13	26	81	98	82	38
Trochu.....	90	62	44	23	20	25	30	42	44	72	100	100	54
Three Hills...	90	81	58	24	21	27	42	57	88	96	105	102	66
Carbon.....	33	30	23	10	16	17	20	25	27	60	88	110	38
Battle River..	59	52	29	9	5	4	4	8	14	60	90	91	35
Canrose.....	140	122	96	60	47	47	45	74	89	110	141	157	94
Tofield.....	50	45	39	24	41	51	53	57	36	45	70	75	49
Clover Bar....	747	678	543	466	402	350	384	490	565	631	724	786	564
Edmonton....	542	577	231	141	96	86	89	101	136	190	245	282	226
Nanao.....	39	31	13	1	.....	3	1	.....	3	47	57	51	25
Cardiff.....	243	229	169	158	.....	137	140	166	174	211	234	248	187
Wabamun.....	65	33	34	22	21	24	28	37	43	55	66	66	41
Pembina.....	165	158	168	159	176	154	150	168	175	180	185	192	169
Total.....	6,699	5,904	4,027	4,035	3,588	4,013	4,993	5,734	6,064	6,866	7,585	7,349	5,601

The following table shows the total number of persons employed during each month in the BITUMINOUS Coal Field above and below ground:

Districts	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Average
Crow's Nest P.	2,262	2,033	1,969	1,665	1,491	1,591	1,642	1,729	1,806	1,892	1,762	1,825	1,806
Canmore.....	507	443	393	391	326	341	332	319	341	356	325	324	366
Brazeau.....	849	853	821	666	583	555	572	630	647	693	713	743	694
Jasper Park....	572	611	353	454	357	329	361	444	487	530	652	768	493
Yellowhead....	449	396	333	250	197	259	275	297	281	249	319	381	307
Mountain Park	450	447	448	373	416	416	467	485	536	518	506	551	467
Total.....	5,089	4,783	4,317	3,799	3,370	3,491	3,649	3,904	4,088	4,238	4,277	4,592	4,133

The following table shows the total number of persons employed during each month in the ANTHRACITE Coal Field above and below ground:

Districts	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Average
Banff.....	290	288	280	280	278	275	277	278	286	282	298	295	284

The following table shows the total number of persons employed during each month in the DOMESTIC, BITUMINOUS and ANTHRACITE Coal Fields above and below ground:

Districts	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Average
Domestic.....	6,669	5,904	4,027	4,035	3,588	4,013	4,693	5,734	6,064	6,866	7,585	7,349	5,601
Bituminous....	5,089	4,783	4,317	3,799	3,370	3,491	3,649	3,904	4,088	4,238	4,277	4,592	4,133
Anthracite....	290	288	280	280	278	275	277	278	286	282	298	295	284
Total.....	12,048	10,975	8,624	8,114	7,236	7,779	8,619	9,916	10,438	11,386	12,140	12,236	10,018

## PER CAPITA PRODUCTION OF MINES IN THE PROVINCE.

Year	Gross tons of coal mined	Total average No. of men employed	Tons of coal mined per man employed	Average No. of men employed underground	Tons of coal mined per man employed underground
1906	1,385,000	2,800	494	2,000	692
1907	1,834,745	3,600	509	2,700	679
1908	1,845,000	3,780	488	2,681	688
1909	2,174,329	5,207	417	3,893	566
1910	3,036,757	5,818	504	4,090	742
1911	1,694,564	6,689	253	4,517	375
1912	3,446,349	6,661	517	4,861	708
1913	4,306,346	8,068	533	5,837	737
1914	3,821,739	8,170	467	6,052	631
1915	3,434,891	6,445	532	4,493	764
1916	4,648,604	7,570	614	5,536	839
1917	4,863,414	8,310	595	6,047	804
1918	6,148,620	8,818	697	6,141	1,001
1919	5,022,412	7,573	663	5,150	958
1920	6,908,923	9,688	712	6,551	1,055
1921	5,937,195	10,018	592	7,203	824

During the year 1909, a strike affecting all the larger mines in the Province lasted for a period of three months.

During the year 1911, a strike affecting all the larger mines in the Province lasted for a period of eight months.

During the year 1917, a strike affecting all the larger mines in the Province lasted for a period of three months.

During the year 1919, a strike affecting all the larger mines in the Province lasted for a period of three months.

## PER CAPITA PRODUCTION OF MINES IN THE DOMESTIC COAL FIELD.

Year	Gross tons of coal mined	Total average No. of men employed	Tons of coal mined per man employed	Average No. of men employed underground	Tons of coal mined per man employed underground
1910	878,011	2,307	380	1,676	524
1911	964,700	3,548	271	2,488	391
1912	1,341,389	2,980	450	2,283	587
1913	1,763,225	4,017	438	2,929	601
1914	1,697,401	4,219	402	3,190	532
1915	1,682,922	3,181	529	2,210	761
1916	2,172,801	4,132	525	3,137	692
1917	2,537,829	4,701	539	3,489	727
1918	3,035,061	4,896	619	3,420	887
1919	2,611,009	4,226	617	2,953	884
1920	3,359,308	5,173	647	3,723	902
1921	2,943,141	5,601	525	4,256	691

## PER CAPITA PRODUCTION OF MINES IN THE BITUMINOUS COAL FIELD.

Year	Gross tons of coal mined	Total average No. of men employed	Tons of coal mined per man employed	Average No. of men employed underground	Tons of coal mined per man employed underground
1910	1,536,961	2,981	636	2,076	914
1911	649,745	2,641	246	1,820	357
1912	1,926,371	3,243	594	2,353	818
1913	2,374,401	3,562	666	2,645	897
1914	1,953,367	3,529	553	2,632	742
1915	1,626,237	2,921	557	2,103	773
1916	2,335,259	3,142	743	2,258	1,034
1917	2,206,868	3,335	661	2,429	909
1918	2,982,334	3,636	820	2,597	1,109
1919	2,325,787	3,118	745	2,100	1,108
1920	3,419,021	4,228	809	2,711	1,202
1921	2,897,380	4,133	701	2,820	1,026

## PER CAPITA PRODUCTION OF MINES IN THE ANTHRACITE COAL FIELD.

Year	Gross tons of coal mined	Total average No. of men employed	Tons of coal mined per man employed	Average No. of men employed underground	Tons of coal mined per man employed underground
1910	261,785	530	493	338	774
1911	80,119	500	160	209	383
1912	178,589	438	407	225	793
1913	168,720	489	345	263	641
1914	170,971	422	405	230	743
1915	125,732	343	366	180	698
1916	140,544	296	474	141	996
1917	118,717	284	418	129	920
1918	131,225	286	458	124	1,058
1919	85,616	229	374	95	901
1920	130,594	287	455	117	1,116
1921	96,674	284	341	127	761

The table showing the number of men employed in the Anthracite Coal Field includes employees at the Briquetting Plant.

PER CAPITA PRODUCTION OF MINES IN THE DOMESTIC COAL FIELD BY  
DISTRICTS.

District	Gross tons of coal mined	Total aver- age No. of men employed	Tons of coal min- ed per man em- ployed	Average No. of men em- ployed un- derground	Tons of coal min- ed per man em- ployed un- derground
Pincher Creek.....	8,100	15	540	13	623
Lethbridge.....	776,667	1,616	481	1,191	652
Magrath.....	2,539	10	254	9	282
Milk River.....	6,544	21	311	21	311
Taber.....	43,203	218	198	174	248
Bow Island.....	4,801	13	369	13	369
Medicine Hat.....	16,808	29	579	24	700
Aldersyde.....	9,127	24	380	21	435
High River.....	1,821	10	182	9	202
Drumheller.....	992,456	1,868	531	1,405	706
Big Valley.....	57,479	96	599	74	777
Brooks.....	14,781	37	399	33	448
Hanna.....	33,099	58	571	46	719
Lacombe.....	14,878	38	391	35	425
Trochu.....	20,346	54	377	36	565
Three Hills.....	31,394	66	475	51	616
Carbon.....	12,960	38	341	34	381
Battle River.....	19,660	35	562	33	596
Camrose.....	68,621	94	730	61	1,125
Tofield Stripping Pit.....	48,559	45	1,079	...	...
Tofield Underground.....	1,910	4	477	2	955
Clover Bar.....	363,077	564	644	432	840
Edmonton.....	87,396	226	387	171	511
Namoo.....	7,859	25	314	14	561
Cardiff.....	135,491	187	724	137	989
Wabamun.....	27,323	41	666	28	976
Pembina.....	136,242	169	806	99	1,366
Total.....	2,943,141	5,601	525	4,256	691



PER CAPITA PRODUCTION OF MINES IN THE BITUMINOUS COAL FIELD  
BY DISTRICTS.

District	Gross tons of coal mined	Total aver- age No. of men employed	Tons of coal min- ed per man em- ployed	Average No. of men em- ployed un- derground	Tons of coal min- ed per man em- ployed un- derground
Crow's Nest Pass.....	1,272,181	1,805	705	1,254	1,014
Canmore.....	206,267	366	564	249	781
Brazeau.....	479,735	694	691	526	912
Jasper Park.....	258,091	493	524	319	809
Yellowhead Stripping...	190,519	153	1,245	.....	.....
Yellowhead Underground	111,049	154	721	119	933
Mountain Park.....	379,538	467	817	353	1,075
Total.....	2,897,380	4,138	701	2,820	1,026

PER CAPITA PRODUCTION OF MINES IN THE ANTHRACITE COAL FIELD  
BY DISTRICTS

District	Gross tons of coal mined	Total aver- age No. of men employed	Tons of coal min- ed per man em- ployed	Average No. of men em- ployed un- derground	Tons of coal min- ed per man em- ployed un- derground
Banff.....	96,674	284	341	127	761

## THE MINES BRANCH

The following table shows the average number of days in each month on which DOMESTIC Coal was drawn:

Districts	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Total
Pincher Creek.	18.75	13.50	20.00	7.00	8.00	11.00	12.25	13.75	19.50	23.75	18.87	19.20	185.47
Lethbridge.	17.93	13.40	14.61	17.00	15.81	22.33	20.66	24.90	19.00	21.42	20.35	18.33	225.74
Magrath.	14.75	10.50	17.66	16.66	10.66	13.33	14.00	19.66	20.33	22.33	16.66	15.00	191.54
Milk River.	16.31	12.64	14.50	11.45	8.00	13.00	11.62	17.14	21.28	23.55	20.36	15.80	185.65
Taber.	13.71	11.00	15.20	10.00	14.75	7.33	11.50	16.28	17.25	17.37	16.50	14.25	165.14
Bow Island.	14.12	12.12	14.71	11.62	7.12	8.83	5.71	7.57	15.37	21.25	17.00	12.25	147.67
Medicine Hat.	12.50	8.75	11.80	6.50	4.00	5.00	9.00	16.75	15.00	23.16	19.86	17.16	149.48
Altersyde.	18.86	18.41	19.57	16.16	19.25	17.00	16.60	16.50	22.20	25.00	15.70	16.00	221.25
High River.	17.66	21.00	16.66	9.50	...	15.00	11.50	5.00	8.00	25.00	20.66	22.75	173.23
Drumheller.	11.89	12.00	13.16	8.88	9.75	10.89	8.00	16.87	10.74	13.96	18.64	11.54	146.32
Big Valley.	22.00	20.60	23.00	13.37	14.25	19.00	14.50	20.80	22.80	23.40	23.60	23.33	240.65
Brooks.	21.62	19.57	22.17	20.80	19.00	17.60	18.60	22.20	22.50	20.57	22.71	21.43	248.77
Hanna.	20.05	18.53	16.66	12.16	15.00	14.33	14.75	17.75	23.00	22.93	20.63	19.17	214.96
Lacombe.	17.50	15.10	15.09	11.75	16.00	15.75	10.00	13.62	16.50	19.17	19.93	14.13	184.54
Trochu.	19.07	16.92	15.77	12.50	14.75	15.50	13.57	16.25	17.50	19.63	17.71	17.80	196.97
Three Hills.	21.33	16.16	17.50	6.16	7.66	9.00	9.00	15.66	23.00	16.00	19.20	17.80	178.47
Carbon.	21.87	17.87	14.50	10.60	11.50	13.66	17.83	15.14	16.00	21.41	24.50	22.80	207.68
Battle River.	20.62	17.85	16.83	8.50	9.33	11.00	10.00	9.20	15.66	20.31	20.26	17.39	176.75
Canrose.	19.00	15.85	19.20	15.75	14.75	15.50	9.75	17.00	21.00	15.66	21.43	22.86	207.75
Tofield.	25.00	18.00	18.66	10.66	9.00	10.00	11.33	10.66	18.00	21.33	26.00	22.66	201.30
Clover Bar.	21.33	18.22	20.25	12.57	12.80	12.16	14.00	22.83	20.73	17.50	21.66	17.20	211.25
Edmonton.	20.00	19.79	18.63	15.28	12.66	9.83	11.33	15.50	17.75	23.12	20.91	19.46	204.26
Namoo.	15.00	12.00	9.50	...	...	10.00	...	...	9.00	20.00	22.00	16.00	113.50
Cardiff.	13.33	10.00	15.66	11.06	11.00	8.00	9.33	15.00	13.33	22.25	21.00	18.50	147.67
Wabamun.	14.00	13.00	16.00	6.00	6.00	13.00	12.00	26.00	25.00	21.00	22.00	24.00	198.00
Pembina.	25.00	22.00	25.00	26.00	12.00	13.00	11.00	25.00	24.00	22.00	22.00	10.00	237.00
	18.19	15.56	17.00	12.23	10.96	12.73	12.31	16.64	18.28	20.89	20.39	17.08	192.27

The following table shows the average number of days in each month on which BITUMINOUS Coal was drawn:

Districts	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Total
Crow's Nest P.	18.14	12.93	11.50	9.50	17.50	19.00	16.60	19.31	15.83	19.50	21.14	20.57	201.52
Canmore.....	19.00	20.00	19.50	18.00	12.00	15.00	20.00	22.50	22.00	20.50	15.00	14.50	218.00
Brazeau.....	20.40	19.20	13.25	14.75	11.00	15.00	20.00	20.11	21.00	13.50	20.50	17.75	197.46
Jasper Park....	24.00	19.50	24.50	21.00	9.50	20.00	25.00	27.00	22.50	26.00	26.00	26.00	271.00
Yellowhead....	17.43	14.57	16.33	15.80	12.80	13.80	17.40	22.20	19.62	15.25	16.20	17.66	199.06
Mountain Park	25.00	20.00	25.50	21.00	19.33	21.00	24.00	26.33	24.33	23.33	25.33	26.00	255.82
Tot. Av.....	20.99	17.70	18.43	16.67	13.99	17.30	19.33	22.91	20.88	19.68	20.69	20.41	228.98

The following table shows the average number of days in each month on which ANTHRACITE Coal was drawn:

District	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Total
Banff.....	26.00	18.00	24.00	26.00	18.00	22.00	24.00	16.00	20.00	26.00	22.00	24.00	276.00

The following table gives the average hours worked per week, each month, by Districts in the DOMESTIC Coal Field:

Districts	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
Pincher Creek.	36.00	25.98	36.90	12.90	14.76	22.14	21.18	24.24	36.00	45.60	34.80	35.40
Lethbridge.....	34.38	25.98	26.94	31.38	29.16	42.84	38.10	44.22	35.04	41.10	37.56	33.84
Magrath.....	28.32	21.00	24.78	30.72	19.68	25.56	38.10	34.92	37.50	42.84	30.72	27.66
Milk River....	31.32	24.24	26.94	23.40	14.76	24.96	21.42	30.42	39.24	45.18	37.56	29.16
Taber.....	26.04	21.96	28.02	18.42	27.18	14.04	18.66	28.92	31.80	33.30	30.42	24.42
Bow Island....	27.18	24.24	27.06	23.52	13.14	16.92	10.50	15.66	28.32	40.80	31.38	22.56
Medicine Hat..	24.00	17.40	21.78	12.00	7.38	9.60	16.56	29.76	27.66	44.46	36.66	31.68
Aldersyde.....	36.18	36.78	36.72	27.48	35.52	32.64	30.60	29.28	40.98	48.00	28.98	29.52
High River....	33.90	42.00	30.72	17.52	.....	28.80	18.66	8.88	14.76	48.00	38.10	41.76
Drumheller...	28.86	24.00	24.24	16.38	18.00	20.88	14.76	29.94	19.80	24.96	34.39	21.30
Big Valley....	42.24	41.16	42.42	24.66	26.28	36.48	26.76	36.96	42.06	44.88	43.56	43.02
Brooks.....	41.52	39.12	40.92	38.40	35.04	33.78	34.32	39.42	43.32	39.48	41.88	39.54
Hanna.....	38.46	37.02	30.72	22.44	27.66	27.48	27.18	31.02	42.42	37.98	38.04	35.34
LaCombe.....	33.60	31.80	27.84	21.66	29.52	30.24	18.42	24.18	30.42	36.78	36.78	25.10
Trochu.....	36.60	33.84	26.76	23.04	27.18	31.56	25.02	29.10	32.28	37.68	32.70	32.88
Three Hills...	40.44	32.28	32.28	11.34	14.04	17.28	16.56	27.84	42.42	30.72	35.44	42.09
Carbon.....	41.94	35.22	26.76	19.56	21.18	26.22	32.88	26.88	29.52	41.10	45.20	42.18
Battle River..	39.54	35.16	30.66	15.66	17.16	21.12	18.42	16.32	28.86	38.94	37.38	31.86
Camrose.....	36.48	31.68	35.40	29.04	27.18	29.76	18.00	30.18	33.18	30.06	39.54	42.18
Tofield.....	48.00	36.00	34.20	19.68	16.56	19.20	20.88	18.90	33.18	40.92	48.00	41.82
Clover Bar....	40.92	36.42	37.38	23.16	23.82	23.34	25.80	40.56	38.22	31.68	39.98	31.74
Edmonton....	36.00	39.48	34.62	23.58	23.34	18.84	20.88	27.54	32.76	44.10	38.60	35.92
Nanao.....	24.00	17.52	.....	.....	.....	19.20	.....	.....	16.56	38.40	40.60	29.52
Cardiff.....	25.56	19.98	26.58	20.40	20.28	15.36	17.22	24.42	24.60	42.72	38.76	34.15
Wabamun.....	26.88	25.98	27.18	11.04	11.28	24.96	22.32	46.20	46.08	40.32	40.56	44.30
Pembina.....	48.00	43.98	46.14	48.00	22.14	24.96	20.28	31.08	44.28	42.24	40.56	18.46
Average.....	34.92	31.08	31.38	22.33	20.22	24.42	22.68	31.38	33.72	39.70	37.62	33.00

The following table gives the average hours worked per week, each month, by Districts, in the BITUMINOUS Coal Field:

Districts	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
Crow's Nest P.	34.80	26.10	21.18	17.52	32.28	36.48	30.60	34.02	29.22	37.32	39.00	37.80
Canmore.....	36.48	39.96	36.00	33.18	22.14	28.80	36.90	39.96	40.56	39.36	27.66	24.42
Brazeau.....	39.12	38.40	24.42	27.18	20.28	28.80	36.90	37.50	38.76	25.92	37.80	32.76
Jasper Park....	46.08	39.00	45.18	38.76	17.52	38.40	46.14	48.00	41.52	48.00	48.00	48.00
Yellowhead....	33.42	29.10	30.12	29.16	25.38	26.46	32.10	37.20	36.18	29.28	29.88	32.58
Mountain Park	48.00	39.96	47.04	38.76	37.44	40.32	44.28	46.80	33.66	44.76	46.74	48.00
Tot. Av.....	40.26	31.50	34.02	30.72	25.80	33.18	37.44	40.68	38.52	37.92	38.16	37.68

The following table gives the average hours worked per week, each month, by Districts, in the ANTHRACITE Coal Field:

District	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
Banff.....	48.00	36.00	46.28	48.00	35.56	42.24	46.28	26.44	36.66	48.00	40.56	46.28

The following table shows the amount of mine timber used during the year:

## DOMESTIC COAL FIELD

Districts	Round timber in Lineal feet	Square timber in square feet B. M.	Ties	Cord-wood (Cords)	Lagging, lineal ft.	Slabs in Cords
Pincher Creek.....	12,330					
Lethbridge.....	3,559,531	1,208,973	878,455	1,121		173
Magrath.....	14,284					
Milk River.....	65,440					
Taber.....	146,801	1,725	7,920			
Bow Island.....	15,354					
Medicine Hat.....	60,527					
Aldersyde.....	56,572					16
High River.....	5,540					
Drumheller.....	2,107,219		119,161		20,400	102
Big Valley.....	204,420					
Brooks.....	70,335	7,318				
Hanna.....	71,736	8,283				
Lacombe.....	52,460					
Trochu.....	60,630	55,000				
Three Hills.....	51,433					
Carbon.....	34,531	2,000				
Battle River.....	97,616		2,333			
Camrose.....	222,023		4,000			
Tofield.....	4,000					
Clover Bar.....	1,405,719				3,500	
Edmonton.....	388,355					236
Namoo.....	16,978					
Cardiff.....	185,000					
Wabamun.....	47,453					
Pembina.....	259,059		66,360			
Total.....	9,215,345	1,283,299	1,078,229	1,121	23,900	527

## BITUMINOUS COAL FIELD

Districts	Round timber in Lineal feet	Square timber in square feet B. M.	Ties	Lagging, lineal ft.	Slabs in Cords
Crow's Nest Pass....	2,159,598	545,920	....	90,000	...
Canmore.....	263,400	....	....	....	...
Brazeau.....	1,904,127	....	....	35,000	...
Jasper Park.....	588,745	....	....	40,128	41
Yellowhead.....	158,385	....	3,600	....	200
Mountain Park.....	759,807	....	....	1,887,370	....
Total.....	5,834,062	545,920	3,600	2,052,498	241

## ANTHRACITE COAL FIELD

District	Round timber in Lineal feet	Lagging, lineal ft.	Planks, square ft. B.M.	Boards, square ft. B.M.
Banff.....	223,353	232,531	245,100	35,200

## PARTICULARS OF LAMPS USED IN MINES IN DOMESTIC COAL FIELD.

	1919	1920	1921
Portable Electric Lamps, Edison type.....	180	940	1,063
Portable Electric Lamps, Ceag type.....	35	35	35
Portable Electric Lamp, Wico type.....	550	500	500
Portable Electric Lamps, Canadian General.....	.....	.....	.....
Wolfe type.....	670	495	524
Kohler type.....	.....	.....	6
Marsaut.....	.....	.....	1
Open Lights.....	3,972	3,422	3,557
Total.....	5,407	5,392	5,686

## PARTICULARS OF LAMPS USED IN MINES IN BITUMINOUS COAL FIELD.

	1919	1920	1921
Portable Electric Lamps, Edison type.....	2,192	2,214	2,612
Portable Electric Lamps, Ceag type.....	.....	.....	.....
Portable Electric Lamps, Wico type.....	.....	.....	.....
Portable Electric Lamps, Canadian General.....	.....	71	71
Wolfe type.....	1,404	1,441	1,301
Kohler type.....	.....	.....	.....
Marsaut type.....	.....	.....	.....
Open Lights.....	149	273	252
Total.....	3,845	3,999	4,236

The mines using open lights in the Bituminous Coal Field are those in the Saunders Creek and Yellowhead districts.

## PARTICULARS OF LAMPS USED IN THE MINES IN ANTHRACITE COAL FIELD.

	1919	1920	1921
Wolfe type.....	350	361	250





## EXPLOSIVES

The following table shows the quantity of Explosives used in pounds for blasting coal in the Bituminous Coal Field:

Districts	Name of Explosives											
	Monobel No. 1	Dynobel No. 4	Polar Permitite	Miner's Fr. No. 9	Coalite C.L.F.	Dyna- mite	Viking No. 1	Miner's Fr. No. 7	Coalite E.L.F.	Monobel No. 4	Black Pdr.	Total
Crow's Nest Pass...	7,516	135,380	9,180	1,075	3,130	....	8,720	....	....	....	....	156,281
Canmore.....	16	38,155	....	....	....	....	....	....	....	....	....	46,891
Brazeau.....	26,310	....	....	7,900	9,875	....	....	1,315	....	....	....	45,400
Jasper Park.....	4,636	....	965	15,634	....	....	....	....	....	....	....	21,235
Yellowhead.....	....	15,460	....	15,295	....	8,230	....	....	16,461	10,242	3,270	68,958
Mountain Park.....	24,300	15,250	820	....	....	....	....	....	27,680	....	....	68,050
Total.....	62,778	204,245	10,965	39,904	13,005	8,230	8,720	1,315	44,141	10,242	3,270	406,815

The following table shows the quantity of Explosives used in pounds for blasting coal in the Anthracite Coal Field:

District	Name of Explosive		Total
	Monobel No. 1		
Banff .....	12,950		12950

The following table shows the number of tons of DOMESTIC Coal produced per pound of explosive used for blasting coal:

Districts	No. of tons mined	No. of lbs. of explosives used	Tons of coal mined per lb. of explosives used
Pincher Creek.....	8,100	7,954	1.02
Lethbridge.....	776,667	122,515	6.34
Magrath.....	2,539	1,650	1.55
Milk River.....	6,544	6,536	1.00
Taber.....	43,203	15,760	2.74
Bow Island.....	4,801	4,660	1.03
Medicine Hat.....	16,808	4,195	4.00
Aldersyde.....	9,127	3,522	2.59
High River.....	1,821	260	7.00
Drumheller.....	992,456	253,756	3.91
Big Valley.....	57,479	4,998	11.50
Brooks.....	14,781	13,545	1.09
Hanna.....	33,099	20,363	1.13
Lacombe.....	14,878	7,208	2.06
Trochu.....	20,346	13,055	1.48
Three Hills.....	31,394	17,327	1.81
Carbon.....	12,960	7,280	1.78
Battle River.....	19,660	2,199	8.94
Camrose.....	68,621	550	124.76
Tofield.....	50,469	5,070	9.95
Clover Bar.....	363,077	68,507	5.33
Edmonton.....	87,396	25,038	3.49
Namoo.....	7,859	900	8.73
Cardiff.....	135,491	57,265	2.37
Wabamun.....	27,323	475	57.52
Pembina.....	136,242	17,686	7.76
Total.....	2,943,141	682,274	4.31

The following table shows the number of tons of BITUMINOUS Coal produced per pound of explosive used for blasting coal:

Districts	No. of tons mined	No. of lbs. of explosives used	Tons of coal mined per lb. of explosives used
Crow's Nest Pass.....	1,272,181	156,281	8.14
Canmore.....	206,267	46,891	4.40
Brazeau.....	479,735	45,400	10.54
Jasper Park.....	258,091	21,235	12.10
Yellowhead.....	301,568	68,958	4.38
Mountain Park.....	379,538	68,050	5.58
Total.....	2,897,380	406,815	7.12

The following table shows the number of tons of ANTHRACITE Coal produced per pound of explosive used for blasting coal:

District	No. of tons mined	No. of lbs. of explosives used	Tons of coal mined per lb. of explosives used
Banff .....	96,674	12,950	7.50

Estimated number of shots fired for blasting coal in the Domestic Coal Field:

Districts	Electric Detonator	Electric Squib	Fuse	Squib	Total
Pincher Creek.....	1,790	....	1,637	508	3,935
Lethbridge.....	55,773	46,000	3,633	43,150	148,556
Magrath.....	....	....	....	2,640	2,640
Milk River.....	....	....	3,800	5,855	9,655
Taber.....	....	....	400	13,385	13,785
Bow Island.....	....	....	....	6,504	6,504
Medicine Hat.....	....	....	160	4,315	4,475
Aldersyde.....	....	....	....	3,710	3,710
High River.....	....	....	430	....	430
Drumheller.....	42,678	....	187,175	....	229,853
Big Valley.....	....	....	5,367	....	5,367
Brooks.....	....	....	2,650	5,585	8,235
Hanna.....	....	....	20,541	1,535	22,076
Lacombe.....	....	....	4,640	1,892	6,532
Trochu.....	....	....	6,420	2,642	9,062
Three Hills.....	....	....	8,840	950	9,790
Carbon.....	....	....	1,436	3,995	5,431
Battle River.....	....	....	4,784	....	4,784
Camrose.....	1,000	....	60	....	1,060
Tofield.....	....	....	5,272	....	5,272
Clover Bar.....	23,369	....	36,144	....	59,513
Edmonton.....	13,390	....	9,819	....	23,209
Namoo.....	....	....	1,300	....	1,300
Cardiff.....	....	....	46,503	....	46,503
Wabamun.....	....	....	1,020	....	1,020
Pembina.....	16,844	....	....	....	16,844
Total.....	154,844	46,000	352,031	96,666	649,541

Estimated number of shots fired for blasting coal in the Bituminous Coal Field:

Districts	Electric Detonator	Electric Squib	Fuse	Squib	Total
Crow's Nest Pass.....	146,815	....	....	....	146,815
Canmore.....	53,238	....	27	....	53,265
Brazeau.....	21,198	....	20,080	....	41,278
Jasper Park.....	23,749	....	....	....	23,749
Yellowhead.....	44,995	....	605	....	45,600
Mountain Park.....	69,142	....	....	....	69,142
Total.....	359,137	....	20,712	....	379,849

Estimated number of shots fired in blasting coal in the Anthracite Coa<sup>l</sup> Field:

District	Electric Detonator	Electric Squib	Fuse	Squib	Total
Banff.....	21,000	....	....	....	21,000

Number of Miss-fire Shots recorded in blasting coal in the Domestic Coal Field:

Districts	Electric Detonator	Electric Squib	Fuse	Squib	Total
Pincher Creek.....	2	....	7	....	9
Lethbridge.....	72	359	....	275	706
Magrath.....	....	....	....	2	2
Milk River.....	....	....	....	20	20
Taber.....	....	....	2	10	12
Bow Island.....	....	....	....	23	23
Medicine Hat.....	....	....	1	6	7
Aldersyde.....	....	....	....	11	11
High River.....	....	....	6	....	6
Drumheller.....	107	....	229	....	336
Big Valley.....	....	....	10	....	10
Brooks.....	....	....	....	4	4
Hanna.....	....	....	26	7	33
Lacombe.....	....	....	10	2	12
Trochu.....	....	....	24	....	24
Three Hills.....	....	....	....	15	15
Carbon.....	....	....	....	4	4
Battle River.....	....	....	1	....	1
Camrose.....	....	....	....	....	....
Tofield.....	....	....	10	....	10
Clover Bar.....	21	....	71	....	92
Edmonton.....	26	....	38	....	64
Namao.....	....	....	2	....	2
Cardiff.....	....	....	4	....	4
Wabamun.....	....	....	....	....	....
Pembina.....	51	....	....	....	51
Total.....	279	359	441	379	1,458

Number of Miss-fire Shots recorded in blasting coal in the Bituminous Coal Field:

Districts	Electric Detonator	Electric Squib	Fuse	Squib	Total
Crow's Nest Pass.....	285	....	....	....	285
Canmore.....	85	....	....	....	85
Brazeau.....	190	....	78	....	268
Jasper Park.....	25	....	....	....	25
Yellowhead.....	80	....	5	....	85
Mountain Park.....	107	....	....	....	107
Total.....	772	....	83	....	855

Number of Miss-fire Shots recorded in blasting coal in the Anthracite Coal Field:

District	Electric Detonator	Electric Squib	Fuse	Squib	Total
Banff.....	68	....	....	....	68







Estimated number of Shots fired for blasting rock in Coal Mines in the Province:

Districts	Electric Detonator	Electric Squib	Fuse	Squib	Total
Crow's Nest Pass.....	30,137	.....	.....	.....	30,137
Pincher Creek.....	103	.....	.....	.....	103
Lethbridge.....	773	.....	600	.....	1,373
Magrath.....	.....	.....	20	110	130
Milk River.....	.....	.....	830	.....	830
Taber.....	.....	.....	70	540	540
Bow Island.....	.....	.....	90	50	140
Medicine Hat.....	.....	.....	152	.....	152
Aldersyde.....	.....	.....	3,268	.....	9,268
High River.....	6,000	.....	.....	.....	14,000
Canmore.....	14,000	.....	7,304	.....	8,610
Banff.....	1,306	.....	60	.....	60
Drumheller.....	.....	.....	532	.....	931
Big Valley.....	399	.....	40	.....	40
Brazeau.....	.....	.....	213	.....	213
Brooks.....	.....	.....	445	.....	445
Hanna.....	.....	.....	394	.....	394
Lacombe.....	.....	.....	680	.....	680
Trochu.....	.....	.....	.....	.....	.....
Three Hills.....	.....	.....	.....	.....	.....
Carbon.....	.....	.....	.....	.....	.....
Battle River.....	.....	.....	.....	.....	.....
Camrose.....	.....	.....	.....	.....	.....
Tofield.....	.....	.....	.....	.....	.....
Clover Bar.....	100	.....	2	.....	102
Edmonton.....	200	.....	250	.....	450
Namao.....	.....	.....	.....	.....	.....
Cardiff.....	.....	.....	.....	.....	.....
Wabamun.....	.....	.....	.....	.....	.....
Pembina.....	.....	.....	.....	.....	.....
Jasper Park.....	15,674	.....	.....	.....	15,674
Yellowhead Pass.....	2,148	.....	50	.....	2,198
Mountain Park.....	3,200	.....	2,090	.....	5,290
Total.....	74,040	.....	17,050	740	91,830

The following table gives the number of Miss-fire Shots recorded in blasting rock in Coal Mines in the Province:

Districts	Electric Detonator	Electric Squib	Fuse	Squib	Total
Crow's Nest Pass.....	34	....	....	....	34
Pincher Creek.....	2	....	....	....	2
Lethbridge.....	1	....	....	....	1
Magrath.....	....	....	....	....	....
Milk River.....	....	....	....	....	....
Taber.....	....	....	3	....	3
Bow Island.....	....	....	....	....	....
Medicine Hat.....	....	....	....	....	....
Aldersyde.....	....	....	....	....	....
High River.....	....	....	4	....	4
Canmore.....	....	....	42	....	42
Banff.....	42	....	....	....	42
Drumheller.....	....	....	9	....	9
Big Valley.....	....	....	2	....	2
Brazeau.....	....	....	16	....	16
Brooks.....	....	....	....	....	....
Hanna.....	....	....	....	....	....
Lacombe.....	....	....	4	....	4
Trochu.....	....	....	....	....	....
Three Hills.....	....	....	....	....	....
Carbon.....	....	....	10	....	10
Battle River.....	....	....	....	....	....
Camrose.....	....	....	....	....	....
Tofield.....	....	....	....	....	....
Clover Bar.....	4	....	....	....	4
Edmonton.....	....	....	....	....	....
Namoo.....	....	....	....	....	....
Cardiff.....	....	....	....	....	....
Wabamun.....	....	....	....	....	....
Pembina.....	....	....	....	....	....
Jasper Park.....	20	....	....	....	20
Yellowhead.....	10	....	....	....	10
Mountain Park.....	....	....	5	....	5
Total.....	113	....	95	....	208

## ELECTRICITY

The Rules for the Installation and Use of Electricity in or about mines require a return to be made to the Department on or before January 21st of each year, giving size, type, and any other particulars which may be required of electrical apparatus in use above and below ground. According to the returns received from the different mines, electricity was used in 60 different mines in 1921. A summary of these returns regarding the horse-power of electrical apparatus in use is given below.

Districts	No. of Mines using Elec- tricity	Horse-Power of Electrical Apparatus in use		Total horse- power
		Above ground	Below ground	
Crow's Nest Pass.....	6	3,757	700	4,457
Pincher Creek.....	6	903	423	1,326
Lethbridge.....	3	318	160	478
Magrath.....	1	15	60	75
Milk River.....	1	573	100	673
Taber.....	1	150	150	150
Bow Island.....	21	1,264	1,433½	2,697½
Medicine Hat.....	1	30	35	65
Aldersyde.....	2	452	60	512
High River.....	1	16	16	16
Canmore.....	1	15	7½	22½
Banff.....	3	77½	139½	217
Drumheller.....	3	160	115	275
Big Valley.....	2	55	2	57
Brazeau.....	1	174½	431	605½
Brooks.....	2	250	250	250
Hanna.....	2	115	115	115
Lacombe.....	2	140	95	235
Trochu.....	1	15	7½	22½
Three Hills.....	1	15	7½	22½
Carbon.....	1	15	7½	22½
Battle River.....	1	15	7½	22½
Camrose.....	1	15	7½	22½
Tofield.....	1	15	7½	22½
Clover Bar.....	1	15	7½	22½
Edmonton.....	1	15	7½	22½
Namoo.....	1	15	7½	22½
Cardiff.....	1	15	7½	22½
Wabamun.....	1	15	7½	22½
Pembina.....	1	15	7½	22½
Jasper Park.....	1	15	7½	22½
Yellowhead Pass.....	1	15	7½	22½
Mountain Park.....	1	15	7½	22½
Total.....	60	8,465	3,931½	12,396½

A closer estimate of the extent to which electricity is used in the different districts may be made by considering the number of tons of coal raised per electrical horse-power employed in all mines under The Mines Act. The following table will give this information:

## TONS OF COAL PER ELECTRICAL HORSE-POWER EMPLOYED.

Districts	Tons of Coal mined in 1921	Above ground	Below ground	Total above and below ground
Crow's Nest Pass.....	1,272,181	338	1,817	285
Pincher Creek.....	8,100	....	....	....
Lethbridge.....	776,667	860	1,836	585
Magrath.....	2,539	....	....	....
Milk River.....	6,544	....	....	....
Taber.....	43,203	136	270	90
Bow Island.....	4,801	....	....	....
Medicine Hat.....	16,808	1,120	280	224
Aldersyde.....	9,127	....	....	....
High River.....	1,821	....	....	....
Canmore.....	206,267	360	2,062	306
Banff.....	96,974	646	....	646
Drumheller.....	992,456	785	692	368
Big Valley.....	57,479	1,915	1,642	884
Brazeau.....	479,735	1,061	7,962	937
Brooks.....	14,781	....	....	....
Hanna.....	33,099	....	....	....
Lacombe.....	14,878	....	....	....
Trochu.....	20,346	1,271	....	1,271
Three Hills.....	31,394	....	....	....
Carbon.....	12,960	....	....	....
Battle River.....	19,660	....	....	....
Camrose.....	68,621	4,575	9,150	3,050
Tofield.....	50,469	....	....	....
Clover Bar.....	363,077	4,686	2,602	1,673
Edmonton.....	87,396	546	779	318
Namag.....	7,859	....	....	....
Cardiff.....	135,491	....	797	797
Wabamun.....	27,323	497	13,661	479
Pembina.....	136,242	780	316	225
Jasper Park.....	258,091	1,032	....	1,032
Yellowhead.....	301,568	2,622	....	2,534
Mountain Park.....	379,538	2,711	3,995	1,615

This table is useful to show, by comparison with other years, the growth or decline in the use of electricity in the Province as a whole, and in each district taken separately.

The number of electrically driven coal-cutting machines in use at the end of the year was sixty-two.

## COAL-CUTTING MACHINERY.

Districts	No. of coal-cutting machines operated by		Tons of coal mined by	
	Electricity	Compressed Air	Electricity	Compressed Air
Crow's Nest Pass.....	....	....	....	....
Pincher Creek.....	....	....	....	....
Lethbridge.....	....	107	....	601,744
Magrath.....	....	....	....	....
Milk River.....	....	....	....	....
Taber.....	1	35	2,685	27,748
Bow Island.....	....	....	....	....
Medicine Hat.....	2	3	8,500	2,716
Aldersyde.....	....	....	....	....
High River.....	....	....	....	....
Canmore.....	....	....	....	....
Banff.....	....	....	....	....
Drumheller.....	42	36	501,144	214,662
Big Valley.....	2	....	20,000	....
Brazeau.....	....	9	....	37,049
Brooks.....	....	....	....	....
Hanna.....	....	....	....	....
Lacombe.....	....	....	....	....
Trochu.....	....	2	....	5,000
Three Hills.....	....	2	....	14,193
Carbon.....	....	....	....	....
Battle River.....	....	....	....	....
Camrose.....	....	....	....	....
Tofield.....	....	....	....	....
Clover Bar.....	3	11	69,933	74,410
Edmonton.....	2	7	16,489	19,570
Namoo.....	....	....	....	....
Cardiff.....	5	....	83,913	....
Wabamun.....	....	....	....	....
Pembina.....	5	....	136,317	....
Jasper Park.....	....	....	....	....
Yellowhead Pass.....	....	....	....	....
Mountain Park.....	....	....	....	....
Total.....	62	212	838,981	997,092

## ACCIDENTS.

Summary table showing accidents occurring in mines during 1906 to 1921 inclusive:

Year	Output	Accidents			Tons of coal mined per accident		
		Fatal	Serious	Slight	Fatal	Serious	Slight
1906	1,385,000	10	11	20	138,500	125,909	69,250
1907	1,834,745	19	18	68	96,565	101,930	26,981
1908	1,845,000	11	38	13	167,727	48,552	141,923
1909	2,174,329	9	42	18	241,952	51,769	120,796
1910	3,036,757	61*	41	58	49,782	71,067	52,375
1911	1,694,564	7	32	45	242,080	52,955	37,656
1912	3,446,349	21	338	58	164,111	90,693	59,419
1913	4,306,346	28	60	83	152,789	71,772	51,883
1914	3,821,739	209†	44	50	18,286	86,857	76,434
1915	3,434,891	18	33	33	190,827	104,087	104,087
1916	4,648,604	20	51	34	232,430	91,149	136,723
1917	4,863,414	24	62	39	202,642	78,442	124,703
1918	6,148,620	22	60	77	279,483	102,477	79,860
1919	5,022,412	21	56	54	239,162	89,685	93,008
1920	6,908,923	29	53	38	238,733	130,371	181,814
1921	5,937,195	21	64	25	282,723	92,769	237,488
Total	60,508,888	530	703	613	114,168	86,072	99,068

\*Including thirty-one deaths caused by the Bellevue explosion.

†Including one hundred and eighty-one deaths caused by the Hillcrest explosion.

Table showing accidents during 1921 classified according to the coal field in which they occurred:

	Output	Accidents			Tons of coal mined per accident		
		Fatal	Serious	Slight	Fatal	Serious	Slight
Domestic...	2,943,111	4	32	17	735,785	91,973	173,126
Bituminous..	2,897,195	15	32	8	193,195	90,543	362,172
Anthracite..	96,674	2	..	..	48,337	.....	.....

Classification of accidents according to outputs of mines which produced during the year 1921:

	Under 10,000 tons	From 10,000 to 50,000 tons	From 50,000 to 100,000 tons	From 100,000 to 200,000 tons	From 200,000 to 300,000 tons	From 300,000 to 400,000 tons	Over 400,000 tons	Total
Fatal.....	10	1	3	6	6	3	2	21
Serious.....	11	6	4	14	11	3	16	64
Slight.....	11	3	4	1	5	..	1	25
Total.....	21	10	11	21	22	6	19	110

Table showing number of tons of coal extracted per accident in mines which produced during 1921:

	Under 10,000 tons	From 10,000 to 50,000 tons	From 50,000 to 100,000 tons	From 100,000 to 200,000 tons	From 200,000 to 300,000 tons	From 300,000 to 400,000 tons	Over 400,000 tons	Total
Fatal.....	.....	881,205	229,156	164,024	229,654	120,150	425,391	282,723
Serious.....	33,802	146,864	171,869	70,296	125,248	120,150	53,174	92,769
Slight.....	30,735	293,735	171,869	984,148	275,585	.....	850,782	237,488
Total.....	16,099	88,120	71,286	46,864	62,633	60,075	44,778	53,974

The following tables show the number of tons produced per accident:

DOMESTIC COAL MINES

District	Output	Average No. of men emp.	No. of tons produced per accident			
			Fatal	Serious	Slight	Total
Pincher Creek...	8,100	15	.....	.....	.....	.....
Lethbridge.....	776,667	1,616	388,333	64,722	776,667	51,777
Magrath.....	2,539	10	.....	.....	.....	.....
Milk River.....	6,544	21	.....	.....	.....	.....
Taber.....	43,203	218	.....	43,203	.....	43,203
Bow Island.....	4,801	13	.....	.....	.....	.....
Medicine Hat....	16,808	29	.....	.....	.....	.....
Aldersyde.....	9,127	24	.....	.....	.....	.....
High River.....	1,821	10	.....	.....	.....	.....
Drumheller.....	992,456	1,868	496,228	198,491	992,456	124,057
Big Valley.....	57,479	96	.....	57,479	.....	57,479
Brooks.....	14,781	37	.....	.....	.....	.....
Hanna.....	33,099	58	.....	.....	.....	.....
Lacombe.....	14,878	38	.....	.....	.....	.....
Trochu.....	20,346	54	.....	.....	.....	.....
Three Hills.....	31,394	66	.....	15,697	.....	15,697
Carbon.....	12,960	38	.....	.....	.....	.....
Battle River.....	19,660	35	.....	.....	.....	.....
Camrose.....	68,621	94	.....	.....	.....	.....
Tofield.....	50,469	49	.....	.....	.....	.....
Clover Bar.....	363,077	564	.....	60,508	36,304	22,690
Edmonton.....	87,396	226	.....	87,396	21,849	17,479
Namoo.....	7,859	25	.....	.....	.....	.....
Cardiff.....	135,491	187	.....	135,491	.....	135,491
Wabamun.....	27,323	41	.....	.....	.....	.....
Pembina.....	136,242	169	.....	45,414	136,242	34,060
Total.....	2,943,141	5,601	735,785	91,973	173,126	55,531

BITUMINOUS COAL MINES.

Crow's Nest Pass.	1,272,181	1,805	212,030	106,015	.....	79,511
Canmore.....	206,267	366	206,267	103,133	51,566	29,466
Brazeau.....	479,735	694	479,735	95,947	479,735	68,533
Jasper Park.....	258,091	493	129,045	129,045	258,091	51,618
Yellowhead.....	301,568	299	.....	150,784	.....	150,784
Mountain Park..	379,538	467	75,907	42,171	189,769	23,721
Total.....	2,897,380	4,125	193,195	90,543	362,172	52,494

ANTHRACITE COAL MINES.

Banff.....	96,674	284	48,337	.....	.....	48,387
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## LIST OF ACCIDENTS WHICH HAVE OCCURRED IN THE DOMESTIC FIELD IN 1921.

Date	Mine	Name	Age	Occupation	Details
Jan. 1	Miller, Smith & Miller.....	John Wisner.....	65	Miner	He was cutting a prop to set under a bad piece of rock, when a piece of rock fell, striking him on the head, knocking his face against the coal rib. Bad scalp wound on back of head, and nose cut.
Jan. 4	Great West Coal Co. Ltd. Clover Bar	John Wallace.....	18	Machine Man's Helper	He was in the act of taking down the jack bar, and in stepping back got his left foot caught in the picks of the machine, which was in operation, nearly severing his foot.
Jan. 12	Dept. Nat. Res. C.P.R. Lethbridge	S. Stavinsky.....	20	Gripper	The haulage rope got caught in the frog of the switch at crossing of S.E. 5th face and 2nd Butt Entries, and while he was stepping over to reach the signal wires the rope slipped out of the frog and struck him on the leg, breaking a small bone near the ankle.
Jan. 13	Bush Mine Coal Co. Ltd.....	W. Corbett.....	37	Miner	He was working at the face of a room, when a piece of coal fell from the roof, striking him on the back. Bruised back.
Jan. 27	Beverly Coal & Gravel Co. Ltd.....	Lewis Benbon.....	32	Miner	He was mining coal at the face of No. 2 Entry, and stuck the pick into his foot.
Jan. 28	Beverly Coal & Gravel Co. Ltd.....	W. H. Wilson.....	31	Miner	He was working in No. 8 Entry, and struck his hand against a piece of wood with a nail in it, the nail piercing the palm of his hand.
Jan. 28	Beverly Coal & Gravel Co. Ltd.....	T. Scogman.....	21	Miner	While mining coal, a piece fell from the face, striking him on the ankle. Bruised ankle.
Jan. 29	D. Falvo.....	L. Roberto.....	30	Miner	He was mining coal at the face of the back entry, when a piece of clay-shale fell from the roof, knocking him down and striking his face against the coal. Nose cut.

LIST OF ACCIDENTS WHICH HAVE OCCURRED IN THE DOMESTIC FIELD IN 1921.—(Continued).

Date	Mine	Name	Age	Occupation	Details
Feb. 1	Beverly Coal & Gravel Co. Ltd.	A. Huntley	42	Miner	While mining coal, a piece of coal flew from the pick point, striking him in the eye.
Feb. 13	Chinook Coal Co. Ltd.	G. Flumigani	37	Pumpman	He had signalled from the shaft bottom, to the engineer on the surface, that he wished to ascend to the surface; received the return signal and gave the signal for the engineer to hoist, which was done. When the cage reached the surface he was found hanging by the chin on the bottom of the cage. The back of his head was crushed in. Fatal.
Feb. 14	Humberstone Coal Co. Ltd.	A. Keppy	27	Haulage Laborer	He was taking a car off the endless rope haulage when his finger was caught in the rope clip, taking the top off his little finger.
Feb. 17	Keith & Fulton	Sidney Timbers	23	Mine Mechanic	He was adjusting, with his right hand, an oil cup on the gasoline engine driving the fan, his left hand on which he had a glove caught in the shaft. Left thumb torn off at second joint.
Feb. 18	R. P. Ottewell	Alex. Potter	40	Miner	He was pushing a loaded car over a switch when the car became derailed, catching his thumb between the car and coal on side of entry, causing a deep cut on right hand thumb.
Feb. 22	Ant Hill Coal Company	A. J. Johnson	29	Overman	He was engaged cutting ice in the shaft, when the bolt, connecting the hoisting cable to the skip, broke, allowing him to drop to the bottom of the shaft, a distance of 50 feet, breaking both legs.

LIST OF ACCIDENTS WHICH HAVE OCCURRED IN THE DOMESTIC FIELD IN 1921.—(Continued).

Date	Mine	Name	Age	Occupation	Details
Mar. 21	Newcastle Coal Co. Ltd.....	W. Taylor.....	18	Driver	He was driving a horse attached to a trip of loaded cars, the horse started to go too fast, and Taylor unhooked the horse, but the hook caught in his clothing, pulled him down on to the track, where he was struck by the moving cars. Right leg broken above the knee.
April 2	Dept. Nat. Res. C.P.R..... Lethbridge	Thos. Martin.....	19	Gripper	No witnesses to accident. He had taken a trip of loaded cars from the face of No. 5 Face Entry N.E. and in some manner fell in front of the trip, which crushed him, pushing him off to the side of the track, where he was found by a workman who noticed that there was no one on the trip when it passed him. He was dead when found.
April 9	North American Collieries Ltd..... Evansburg	E. House.....	20	Switchman	He was engaged coupling cars on the right northeast entry, and got jammed between the cars and a prop. Hips crushed.
May 9	Dept. Nat. Res. C.P.R..... Lethbridge	A. Sillito.....	37	Coal Loader	A shot had been fired which did not bring down the coal he was in the act of shearing, when the coal fell and caught him. Broken right leg and injured hand.
May 13	Humberstone Coal Co. Ltd.....	J. Suey.....	30	Miner	He was timbering, and while chopping a timber the axe slipped, striking him on the foot. Left foot badly cut at instep.

LIST OF ACCIDENTS WHICH HAVE OCCURRED IN THE DOMESTIC FIELD IN 1921.—(Continued).

Date	Mine	Name	Age	Occupation	Details
May 14	Fraser-Mackay Collieries Ltd.....	S. Long.....	28	Steam Engineer	He had gone down the shaft to repair the pump, and while there reached into the shaft to tighten up a leaky steam-joint; the cage came down and caught his right arm, crushing it so that it had to be amputated.
June 17	Dept. Nat. Res. C.P.R..... Lethbridge	P. Hendrick.....	31	Driver	He was bringing a trip of cars from No. 5 Face Entry, when another driver coming from No. 5 Slant met him at the switch, and in trying to get clear, he raised himself too high and got caught between car and timber. Broken rib on left side.
July 11	Celtic Coal Company Ltd.....	G. Davis.....	44	Miner	He had loaded a shot with black powder, and while in the act of lighting the fuse ignited some loose powder which had spilled onto the floor, when he was making up a cartridge. Slight burns on arm and chest.
July 25	Dept. Nat. Res. C.P.R..... Lethbridge	J. Fardina, Jr.....	17	Driver Boy	Fardina was riding on top of a loaded car, when he struck his head against the roof, causing him to fall off the cars, crushing him between cars and side of entry. Two ribs broken on left side.
Aug. 12	Dept. Nat. Res. C.P.R..... Lethbridge	Steve Kropinak.....	24	Driver	He was bringing a trip of loaded cars through the slant onto 13 Butt Entry S.E., when another driver passing with a trip of empty cars stopped in front of the slant; Kropinak in trying to stop his trip got crushed between the loaded and empty cars. Bruised about the hips and two ribs broken.

LIST OF ACCIDENTS WHICH HAVE OCCURRED IN THE DOMESTIC FIELD IN 1921.—(Continued).

Date	Mine	Name	Age	Occupation	Details
Aug. 12	Humbersstone Coal Co. Ltd.....	M. Gamborski.....	40	Tracklayer	He put his hand on the rope wheel to feel whether it was wearing, and got his fingers caught by the rope. Ends of two fingers torn off necessitating amputation at first joint.
Aug. 15	Dept. Nat. Res. C.P.R. Lethbridge	T. Boyle.....	27	Driver	He was bringing a trip of loaded cars out of 22 Butt Entry N.E., riding on the first car, when his horse ran away knocking out a boom. Boyle jumped off the car and got crushed between car and side of entry, sustaining two broken ribs.
Aug. 22	Can. Pac. Ry. Dept. of Nat. Res. Lethbridge	Mike Olshaski.....	31	Driver	He was bringing a trip of loaded cars out of 20 Butt Entry S.W., when the cars became derailed, knocking out a prop, which allowed the boom to fall on him, breaking two of his ribs.
Aug. 22	Can. Pac. Ry. Dept. of Nat. Res. Lethbridge	James Moore..... John Larko.....	38 38	Examiner Loader	They were in pillar workings on 15 Butt Entry 6 Fare N.W., and had fired a shot at the face of the pillar, which ignited some gas, resulting in Moore being burnt on both hands, face, and round the neck, and in Larko being badly burnt on both hands, right arm, face, and neck.
Aug. 27	Can. Pac. Ry. Dept. of Nat. Res. Lethbridge	John Yorko.....	18	Gripper	He was taking a trip of empty cars in the entry, and neglected to stop at the regular place. He had pulled beyond this, and uncoupled four cars from the rope; they ran back down the grade, and displaced some timber, which fouled the signal wire. Yorko was in the act of straightening out the signal wires when some rock fell from the roof, striking him on the head and arm. Cuts on the head and fractured wrist.

LIST OF ACCIDENTS WHICH HAVE OCCURRED IN THE DOMESTIC FIELD IN 1921.—(Continued).

Date	Mine	Name	Age	Occupation	Details
Sept. 6	J. Lebisto .....	J. C. Spencer.....	22	Pusher	He was pushing a car, when a fall of rock took place, striking him on the left leg. Left ankle broken, and knee dislocated.
Sept. 17	Shamrock Coal Co. Ltd.....	Bernardino Defabio.....	25	Miner	He was setting a prop, when a fall of rock took place, striking him on the arm. Fractured forearm.
Oct. 6	Can. Pac. Ry. Dept. Nat. Res. Lethbridge	George Koziuk.....	26	Driver	He was driving a horse hauling a trip of five loads from No. 17 Butt, and, when coming on to the slant to No. 18 Butt, the horse took the straight road instead of turning into the slant, pulling the first car across the track, jamming him between the car and side of entry. Breast-bone and ninth rib broken.
Oct. 7	The Gibson Syndicate.....	Roscoe V. Brown...	24	Machine Man	He was operating an electric coal-cutting machine; a piece of rock dropped from the roof on to his back. Dislocated spinal column.
Oct. 11	North American Collieries Ltd. Drumheller	A. Pachika.....	40	Miner	A shot was being fired in a cross-cut being driven to 2nd S.W. Entry; the shot-lifter gave warning, and fired the shot. Pachika was struck by flying coal from the shot. Bruised arm, and skin wounds on face.
Oct. 13	McPeak Coal Company.....	Fred Booker.....	18	Pusher	He was taking shelter while a shot was being fired in the N.E. Entry, when, hearing a shot explode in a room, and thinking it was the shot in the entry, he proceeded into the entry, and when near the face the shot exploded and he was struck by flying coal. Cuts on ear and hand.

LIST OF ACCIDENTS WHICH HAVE OCCURRED IN THE DOMESTIC FIELD IN 1921.—(Continued).

Date	Mine	Name	Age	Occupation	Details
Oct. 18	North American Collieries Ltd. Pembina	Thomas Raymond. Arthur Norris.....	46 37	Machine Man Machine Man's helper	They had completed a machine cut in a pillar, and were taking the machine out from the cut, when a fall of coal took place, striking both men. Raymond was cut about head, bruised about head and shoulders. Norris' left ankle was badly broken and his right ankle was badly bruised.
Oct. 26	Atlas Coal Co. Ltd.....	Robert Richards.....	31	Miner	He was loading coal at face of No. 16 room No. 3 West Entry, when a piece of rock fell from the roof, breaking his back and crushing him badly. Fatal.
Nov. 2	Can. Pac. Dept. Nat. Res. Lethbridge	William Meichkota..	48	Loader	He was loading a car of coal at the face No. 11 Room 19 Butt 6 face entry, when a fall of roof-rock took place, under which he was caught. Badly bruised back, and rib on right side broken.
Nov. 14	Banner Coal Co. Ltd.....	Henry Bolle.....	23	Miner	He had lit the fuse for a shot, and had retired to a place of safety, when he heard a shot, and thinking it was his, returned towards the face of his room, when the shot exploded. Bruised about face, left eye, and left arm.
Nov. 20	North American Collieries Ltd. Pembina	Wesley Bell.....	21	Machine Man's helper	He was tightening the machine chain when the ratchet handle slipped, crushing his thumb against the haulage jack. Thumb of right hand badly crushed.
Nov. 25	Great West Coal Co. Ltd. Aerial	A. E. Watkins.....	35	Miner	He was working at the face of No. 3 Room, when a piece of rock dropped out of a pot-hole in the roof, striking him on the back. Fractured spine and internal injuries, from which he died.

LIST OF ACCIDENTS WHICH HAVE OCCURRED IN THE DOMESTIC FIELD IN 1921.—(Continued).

Date	Mine	Name	Age	Occupation	Details
Nov. 25	S. Centazzo.....	D. S. Gillies.....	50	Miner	He was digging coal from the face of the counter-entry, when a piece of coal from the point of the pick struck him in the left eye.
Nov. 26	Keith & Fulton.....	Thos. McNutt.....	36	Laborer	He was working on the main entry on the return side of a Gasoline operated pump, and became overcome by the exhaust gases from the engine.
Dec. 1	The Canada West Coal Co. Ltd.....	John McCue.....	42	Loader	He was loading coal at face of No. 24 West Entry, when a fall of rock took place, striking him on the leg. Fractured leg.
Dec. 6	Humberstone Coal Co. Ltd.....	Thomas Fred Vining.	33	Pusher	He was pushing cars along the No. 4 West Entry, and another pusher came behind with a car, jamming Vining between the cars. Knee crushed.
Dec. 6	Reed & Brown.....	James Finlayson.....	42	Miner	He was taking down coal, when another piece of coal dropped from the face, and struck him on the hand. Third finger fractured, and index finger bruised and torn.
Dec. 7	Edmonton Collieries Ltd.....	Arthur Blair.....	31	Machine Man's helper	He was helping with an electric coal cutting machine, when one of the jack-bars slipped, striking him on the side of the head, causing him to fall and his right foot to come in contact with the cutter chain. Right foot cut at base of first and second toes.
Dec. 8	Can. Pac. Ry. Dept. Nat. Res. Lethbridge	Nik Elasyuk.....	43	Machine Scraper	He was shoveling machine-scrappings back from the cut, when some coal fell from the face, striking him on the shoulder. Dislocated right shoulder.



LIST OF ACCIDENTS WHICH HAVE OCCURRED IN THE DOMESTIC FIELD IN 1921.—(Continued).

Date	Mine	Name	Age	Occupation	Details
Dec. 8	The Palisade Coal Co. Ltd.....	Edgar Barnes.....	27	Driver	He was driving a horse, which got out of control, knocking out a set of timber, which allowed a slab of rock to fall on Barnes. Fracture of upper dorsal vertebrae.
Dec. 24	Humberstone Coal Co. Ltd.....	Mike Pesuk.....	33	Machine Man	He was running a coal-cutting machine, when a piece of coal fell on his foot, crushing same, which caused slight septic poisoning.

LIST OF ACCIDENTS WHICH HAVE OCCURRED IN THE BITUMINOUS FIELD IN 1921.

Date	Mine	Name	Age	Occupation	Details
Jan. 5	West Canadian Collieries Ltd. Greenhill	J. M. Anderson.....	17	Rock Picker	Caught between discharge end of picking belt and coal chute, crushing face and chest, from which he died later.
Jan. 25	West Canadian Collieries Ltd. Bellevue	J. Sikella.....	19	Rope-rider	He had detached the rope from a trip of two cars which had been hoisted up the slope, and for some unknown reason walked alongside the cars, and was crushed between the cars and foundation of hoisting engine, being killed instantly.
Jan. 26	West Canadian Collieries Ltd. Greenhill	T. Haggblad.....	27	Miner	Was working in a pillar, when a fall of coal from the side of place occurred, striking him. Dislocated hip.
Feb. 1	Mountain Park Coal Co. Ltd.	T. Werechuk..... J. Natali..... E. Warwicky....	24 34 36	Chute-loader Miner Driver	Fractured skull and burns. Fatal. Burns to face and hands, and asphyxiated by after-damp. Fatal. Blade fractured.
		W. Davis..... Joe Valla..... L. Dominic.....	43 34 30	Examiner Miner Miner	Burns to face, hands, and body. Burns to face and hands. Burns to eyes, face, and hands, and bruised on neck.
		G. Peruzini..... R. Krystor.....	24 26	Miner Miner	Burns to face and hands. Burns to face and hands.
Feb. 2	P. Burns' Coal Mines Ltd.	G. Unger.....	49	Miner	The above accidents were all caused through an ignition of gas after firing a shot in No. 44 Room off B. Level No. 3 East Slope. He was mining coal, when a fall of coal from the roof took place, striking him on the back. Injured back.

LIST OF ACCIDENTS WHICH HAVE OCCURRED IN THE BITUMINOUS FIELD IN 1921.—(Continued.)

Date	Mine	Name	Age	Occupation	Details
Feb. 5	Brazeau Collieries Ltd.	M. Constantin	29	Miner	He was undermining coal at the face of No. 6 Incline, when a piece of coal dropped out of the face, knocking him off the bench of coal, fracturing his ribs, which pierced his lungs; from the effects of which he died whilst being taken out of the mine.
Feb. 14	Brazeau Collieries Ltd.	A. Krusel	21	Motorman	He was bringing out a trip of loaded cars from the inside section, and bumped into a derailed loaded car at foot of No. 72 Incline, which displaced the battery box of the motor, crushing him between the battery box and the loaded car. Fracture of second, third, fourth and fifth ribs on left side, and dislocation of right clavicle.
Feb. 18	Hillcrest Collieries Ltd.	C. E. Ironmonger	60	Miner	He was mining coal in pillar workings, when a fall of top rock took place, striking him on the legs. Left leg broken.
Feb. 22	Blue Diamond Coal Co. Ltd.	A. Stewart	46	Rock Miner	He was driving a slope below No. 2 South Entry, when a cave of rock and gravel took place, burying him and suffocating him. Fatal.
Mar. 2	Jasper Park Collieries Ltd.	T. Rocchio	46	Miner	He was working in pillar workings, when a piece of rock fell from the hanging wall, striking him on the hip. Crushed through hips.
Mar. 21	Brazeau Collieries Ltd.	W. J. Hall	25	Motorman	He was hauling coal to the boiler house, and had stepped off the motor to throw a switch, and in getting back on to the motor slipped between the motor and car. Left leg fractured and cut.

LIST OF ACCIDENTS WHICH HAVE OCCURRED IN THE BITUMINOUS FIELD IN 1921.—(Continued).

Date	Mine	Name	Age	Occupation	Details
Mar. 21	Canmore Coal Co. Ltd.	W. Grant	30	Miner	He was engaged helping clear a cave on the main haulage road in the Sedlock Seam, when some loose rock slid from the side, pinning him underneath, crushing him, and causing injuries from which he died.
Mar. 28	Mountain Park Coal Co. Ltd.	L. McMillan	34	Miner	He was mining coal at the face of No. 47 room, when a large piece of coal rolled off the bench on to his leg. Both bones of right leg broken.
Mar. 30	Mountain Park Coal Co. Ltd.	W. H. Walls	32	Pipe Fitter	He was standing in a manhole on No. 3 West Slope, when an empty car on the slope trip jumped the track, and the front end, entering the man-hole, jammed his hand against a piece of pipe. Loss of four fingers and part of hand.
Mar. 30	Canmore Coal Co. Ltd.	Jas. Hill	48	Overman	Whilst going around the working places, he slipped, and fell in a chute. Fractured rib on right side.
April 14	Jasper Park Collieries Ltd.	F. Sanderson	37	Miner	He was using an axe, shaping a wedge, when the handle struck a timber, causing it to swing, and striking his hand; severe cut at base of left thumb.
April 26	West Canadian Collieries Ltd. Greenhill	C. Zomick	45	Miner	He was engaged in bucking coal in a chute in pillar workings, and in some manner fell in the chute and got jammed between the coal and bulkhead, breaking his neck, killing him instantly.
April 29	Bellevue Collieries Ltd.	F. Volana	24	Miner	He was taking refuge from a shot in the entry, when a piece of rock thrown by the shot ricocheted off a mine car, striking him on the leg. Right leg badly cut and bruised.

LIST OF ACCIDENTS WHICH HAVE OCCURRED IN THE BITUMINOUS FIELD, IN 1921.—(Continued).

Date	Mine	Name	Age	Occupation	Details
May 6	Oliphant-Munson Collieries Ltd.	O. Dixon	30	Tipple Mechanic	He was testing a bearing for heating, and got his hand caught in a gear wheel. Thumb and two fingers of right hand torn off.
May 9	West Canadian Collieries Ltd. Bellevue	W. Brooker	44	Driver	He was driving a horse hauling loaded cars from the entry face to couple up two cars which he had left standing at No. 56 chute, and he failed to get off the cars which he was riding, and got crushed between the moving and standing cars; from the effects of injuries received he died on May 10th.
May 9	West Canadian Collieries Ltd. Bellevue	T. Bradley	17	Motorman	Got caught between motor and empty cars. Fractured pelvis.
June 1	West Canadian Collieries Ltd. Greenhill	L. Poch	47	Miner	He was commencing work taking out a pillar, when a piece of coal fell off the side of the pillar, striking him on the head and shoulders, breaking his neck.
June 1	Cadomin Coal Co. Ltd.	John Higgins John Stobeg Lester McLeod	37 32 18	Examiner Driver Fan Man	The examiner had fired the shots in No. 47 raise off the main entry, and while firing the last shot an ignition of gas took place through the shot being too light, causing a blown-out shot. Higgins and Stobeg were burnt about the face and hands, and McLeod slightly burnt about the face.
June 4	Blue Diamond Coal Co. Ltd.	Chas. Burrows	54	Miner	He was working in the No. 3 South slope Rock Tunnel, when a piece of rock slipped off the hanging wall, striking him. Compound fracture of the left leg and scalp wounds.

LIST OF ACCIDENTS WHICH HAVE OCCURRED IN THE BITUMINOUS FIELD IN 1921.—(Continued).

Date	Mine	Name	Age	Occupation	Details
June 11 8 <sup>11</sup>	West Canadian Collieries Ltd. Bellevue	F. Cerney.....	51	Timber Packer	He was helping another timber-packer to carry a timber, and stepped between some loaded cars on the entry, when the horse attached to the cars started, and the timber, catching between the cars, crushed him against the rib side. Fatal.
June 15	McGillivray Creek Coal & Coke Co. Ltd.....	S. Andros.....	18	Chute Loader	He was loading coal at a chute when a piece of coal struck him on the leg. Simple fracture of left leg.
July 6	Blue Diamond Coal Co. Ltd.....	G. Basso.....	54	Miner	He was sawing a prop, when the saw jumped, and scratched the back of his hand, which became infected, causing blood poisoning from the effects of which he died on July 13th, 1921.
Aug. 10	Brazeau Collieries Ltd.....	D. Valentimizzi.....	38	Miner	He was shearing the coal face, when a piece of coal fell away from the face, striking him on the left leg. Fracture of left leg above ankle.
Aug. 10	Stirling Collieries Ltd.....	E. S. Brown.....	35	Laborer	He was engaged helping to move a track tie, which was being used as a block for the wheels of the steam shovel, and got his foot caught between the block and the track ties. Before he could get clear, the shovel moved up against the block, crushing his leg between it and the track ties. Left leg broken below the knee.

LIST OF ACCIDENTS WHICH HAVE OCCURRED IN THE BITUMINOUS FIELD IN 1921.—(Continued).

Date	Mine	Name	Age	Occupation	Details
Aug. 17	Mountain Park Coal Co. Ltd.	C. Santi.	24	Miner	The injured person, along with two other miners, was putting up a set of timber at the face of B Entry when a piece of top coal fell, displacing the collar, which fell on to Santi. Fracture of spinal column, from the effects of which he died on December 27th, 1921, in the Royal Alexandra Hospital.
Aug. 23	T. H. Perlin.	Alex Groski.	29	Miner	He was taking down top coal in first room off the entry when a piece of coal struck him on the left leg, fracturing same above ankle.
Sept. 3	West Canadian Collieries Ltd. Bellevue	A. Rosis.	31	Miner	He was working in a pillar, when a fall of rock took place, striking him on the face and shoulder. Collar-bone broken on left side.
Sept. 6	Alexo Coal Mining Co. Ltd.	John Morley.	23	Pusher	He was pushing a car, when a piece of coal fell off the car, striking him on the hand, necessitating amputation of middle finger of right hand at first joint.
Sept. 17	Alexo Coal Mining Co. Ltd.	Mike Holgrove.	30	Machine Man	He was walking in the mine and slipped on a piece of rock. Sprained ankle.
Sept. 20	Hillcrest Collieries Ltd.	James Pearson.	19	Driver	He was driving a horse hauling cars. The horse jumped, jamming his hand between the horse and car. Broken wrist.
Oct. 5	West Canadian Collieries Ltd.	M. Mattison.	51	Miner	A shot had missed fire, and a second shot had been fired, which it was thought had exploded the first shot. Mattison was digging the coal, when his pick must have struck the unexploded charge of the first shot, which exploded, blinding him in both eyes, face and breast severely torn, and breaking both upper and lower jaws.

LIST OF ACCIDENTS WHICH HAVE OCCURRED IN THE BITUMINOUS FIELD IN 1921.—(Continued).

Date	Mine	Name	Age	Occupation	Details
Oct. 27	Canmore Coal Co. Ltd.	E. Willmott	26	Miner	He was working at the face of No. 8 cross-cut Carey Seam, when a small nigger-head fell from the face, striking him on the hips and lower part of back, bruising same.
Nov. 11	Canmore Coal Co. Ltd.	C. F. Fowers	48	Examiner	He was repairing the door on a dump car in No. 27 Jig Stewart Seam, the car having been hoisted to allow him to do so; the friction on the engine slipped, allowing the car to drop back, and crushed him against a timber. Chest squeezed, two ribs broken and two ribs cracked.
Nov. 14	Mountain Park Coal Co. Ltd.	Pete Chernuk	33	Miner	He was working at the pillar No. 1 Room, when a cave took place, burying him at the face of the crosscut. He was dead when found.
Nov. 15	West Canadian Collieries Ltd. Greenhill Mine	G. Belthrame	28	Miner	He had gone into the face of No. 5 Entry, where a shot had been connected up by the shotlighter, and the shotlighter (not knowing that he was at the face) fired the shot, the flying coal striking Belthrame on the head and chest. Right eye destroyed, left eye badly injured. Cut and bruised about head and chest.
Nov. 24	Hillcrest Collieries Ltd.	William Kuleski	36	Miner	He was on 552 Landing off No. 1 Slope, when he was struck by a trip of empty cars which went through a misplaced switch. Dislocated left elbow, injured collar-bone, cut and bruised about the face.



LIST OF ACCIDENTS WHICH HAVE OCCURRED IN THE BITUMINOUS FIELD IN 1921.—(Continued).

Date	Mine	Name	Age	Occupation	Details
Dec. 4	McGillivray Creek Coal & Coke Co. Ltd.....	James Gilchrist.....	50	Laborer	He was engaged emptying rock from mine cars, and got caught between two cars. Fracture of left leg and dislocation of knee.
Dec. 22	Cannore Coal Co. Ltd.....	Steve Babink..... Bill Palaniuk.....	42 39	Miner Miner	They were standing on the gangway while the shotlighter was blasting in the raise from the gangway. The shot ignited some gas, which burnt them about the face, ears, neck, and hands.
Dec. 23	Brazeau Collieries Ltd.....	George Farnsworth..	33	Miner	He was lowering a loaded car from the face of 67 room, by means of a hemp rope, when his foot and leg were caught between the rope and the snubbing post. Fractured leg.
Dec. 29	Mountain Park Coal Co. Ltd.....	Leslie A. McMillan..	34	Driver	He was driving on the B Level No. 3 East slope, hauling out a trip of five loaded cars; the spragger missed his sprags, allowing the cars to travel too quick. McMillan jumped off, and was crushed between the mine cars and a post, receiving injuries to his hips and internally, from the effects of which he died on December 31st, 1921, whilst being conveyed to the hospital in Edmonton.

LIST OF ACCIDENTS WHICH HAVE OCCURRED IN THE ANTHRACITE FIELD IN 1921.

Date	Mine	Name	Age	Occupation	Details
Feb. 25	Dept. Nat. Res. C.P.R. Bankhead	James Maggs.....	49	Miner	Base of skull fractured by fall of coal while mining coal in pillar workings.
July 7	Dept. Nat. Res. C.P.R. Bankhead	James Gosling.....	41	Laborer	Fatal. Crushed between cars and locomotive while attempting to uncouple a tow chain from a trip of cars running ahead of same, receiving injuries from which he died shortly after.

## FATAL ACCIDENTS

The fatal accident which occurred to J. M. Anderson on January 5th, at the mine operated by the West Canadian Collieries, Ltd., Blairmore, was caused through his being crushed between the discharge end of picking belt and the chute. He was engaged picking rock from among the coal off the picking belt, and in some unknown manner got caught between the discharge end of the belt and the coal chute, receiving injuries to the face, chest, and arms, from the effects of which he died four hours later.

The fatal accident which occurred to John Sikella on January 25th, in the mine operated by the West Canadian Collieries, Ltd., Bellevue, was caused through his being crushed between the engine foundation and moving loaded cars. He was engaged at the top of the slope, uncoupling cars, and, having detached the rope from a trip of loaded cars which had been hoisted up the slope, proceeded to walk alongside the moving cars, and got crushed between the hoisting engine foundation and cars, death being instantaneous.

The fatal accident which occurred to T. Werschuk and J. Natali on February 1st, in the mine operated by the Mountain Park Coal Co., Ltd., at Mountain Park, was caused through an ignition of gas by a shot. These men were engaged as chuteloader and miner respectively. A shot having been fired in No. 44 room off B Level No. 3 Mine, when a second shot was fired, and an ignition of gas took place, causing an explosion which killed Werschuk and Natali, and severely burnt six other workmen.

The fatal accident which occurred to Maurice Constantin on February 5th, in the mine operated by the Brazeau Collieries, Ltd., at Nordegg, was caused through a fall of coal. He was undermining coal at the face of No. 6 Incline, when a piece of coal dropped off of the face, knocking him off the bench, fracturing his ribs, which pierced his lungs, from the effects of which he died whilst being removed from the mine.

The fatal accident which occurred to G. Flumigani on February 13th, in the mine operated by the Chinook Coal Co., Ltd., at Commerce, was caused through his being caught between the cage seat and side of the hoisting shaft. He was engaged as pumpman on the night shift below ground; and, wishing to come to the surface, had signalled the engineer, to which the engineer gave the return signal, after which Flumigani gave the hoist signal. The engineer hoisted the cage to the surface landing, and, not hearing anything from the cage, went out to investigate, when he found Flumigani hanging below the cage, dead—his chin resting on the cage seat, the back of his head having been crushed in.

The fatal accident which occurred to Andrew Stewart on February 22nd, in the mine operated by the Blue Diamond Coal Co., Ltd., Brule Mines, was caused through a fall of rock and gravel. He was driving a slope, from the surface, below No. 2 South Entry, when a cave of rock and gravel took place, burying him and suffocating him.

The fatal accident which occurred to James Maggs on February 25th, in the mine operated by the Canadian Pacific Railway Department of Natural Resources, at Bankhead, was caused through a fall of coal.

He was mining coal in pillar workings when a fall of coal took place, striking him on the head, fracturing his skull at the base, from the effects of which he died shortly after.

The fatal accident which occurred to William Grant on March 21st, in the mine operated by the Canmore Coal Co., Ltd., at Canmore, was caused by a fall of rock. He was engaged helping clear a cave on the main haulage road in the sedlock seam, when some rock slipped off the side, pinning him underneath, causing injuries from the effects of which he died shortly after being taken out.

The fatal accident which occurred to Thomas Martin on April 2nd, in the mine operated by the Canadian Pacific Railway Department of Natural Resources, near Lethbridge, was through his falling in front of a loaded trip of cars. He was engaged as a gripper on the endless rope haulage, and was bringing a trip of loaded cars from the face of No. 5 face entry N.E., when in some manner he fell in front of the trip. He was found by a workman, who noticed the trip passing without anyone in charge, and went to investigate, finding Martin dead on the side of the track.

The fatal accident which occurred to Chas Zemick on April 26th, in the mine operated by the West Canadian Collieries, Ltd., Greenhill Mine, near Blairmore, was caused through his falling into the chute. He was bucking coal in a chute in pillar working, and slipped, falling into the chute; the coal, sliding down, jammed him against a plank across the chute, breaking his neck, killing him instantly.

The fatal accident which occurred to W. Booker on May 9th, in the mine operated by the West Canadian Collieries, Ltd., at Bellevue, was caused by his being crushed between loaded mine cars. He was driving a horse, bringing out a trip of loaded cars from the entry face, to couple up to two loaded cars which he had left standing at No. 56 chute. He failed to get off the cars on which he was riding, and was crushed between the moving and standing cars, receiving injuries from the effects of which he died on May 10th.

The fatal accident which occurred to L. Poch on June 1st, in the mine operated by the West Canadian Collieries, Ltd., at Greenhill, near Blairmore, was caused through a fall of coal. He was commencing work, taking out pillar, when a piece of coal fell off the side of the pillar, striking him on the head and shoulders, breaking his neck, death being instantaneous.

The fatal accident which occurred to F. Cerney on June 8th, in the mine operated by the West Canadian Collieries, Ltd., at Bellevue, was caused through his being crushed between timber and corner of coal pillar. He was engaged in packing timber, and was helping another timber-packer to carry a piece of timber, and stepped between some loaded cars on the entry, when the horse which was attached to the loaded cars started. One end of the timber being between the cars was carried forward, crushing Cerney between the timber and the corner of the pillar, causing injuries from which he died immediately.

The fatal accident which occurred to George Basso on July 6th, in mine operated by the Blue Diamond Coal Co., Ltd., at Brule Mines was caused through a scratch on the back of his hand becoming infected. He was sawing a prop, when the saw jumped, and scratched the back of his hand, which became infected, causing blood poisoning, from the effects of which he died on July 13th, 1921.

The fatal accident which occurred to James Gosling on July 7th, at the mine operated by the Canadian Pacific Railway Department of Natural Resources, at Bankhead, was caused through his being crushed between loaded mine cars and compressed air locomotive. He was attempting to uncouple a tow chain which was attached to a trip of loaded cars, and, failing to do so, became confused, and was crushed between cars and locomotive, receiving injuries from the effects of which he died shortly afterwards.

The fatal accident which occurred to C. Santi on August 17th, in the mine operated by the Mountain Park Coal Company, Limited, Mountain Park, was caused through a fall of coal while timbering. He was assisting two other miners in putting up a set of timber at the face of B Entry, No. 3 East Slope, when a piece of top coal fell, displacing the timber, which fell on to Santi, fracturing his spinal column, from the effects of which he died in the Royal Alexandra Hospital, Edmonton, on December 27th, 1921.

The fatal accident which occurred to Robert Richards on October 26th, in a mine operated by the Atlas Coal Co., Ltd., at Drumheller, was caused through a fall of roof. He was loading coal at the face of No. 16 Room off No. 3 West Entry, when a piece of rock fell from the roof, striking him on the back, breaking same, and badly crushing him internally, from the effects of which he died.

The fatal accident which occurred to Pete Chernuk on November 14th, in the mine operated by the Mountain Park Coal Co., Ltd., at Mountain Park, was caused through a fall of coal. He was working a pillar off No. 1 Room of B Level, No. 3 Mine, when a cave of roof coal took place, burying him at the face of a crosscut. The body was not recovered until two days afterwards.

The fatal accident which occurred to E. A. Watkins on November 25th, in the mine operated by the Great West Coal Co., Ltd., at Aerial, was caused through a fall of rock. He was working at the face of No. 3 Room, when a piece of rock fell out of a pot-hole in the roof, striking him on the back, fracturing his spine, and causing injuries, from which he died.

The fatal accident which occurred to Leslie A. McMillan on December 29th, in the mine operated by the Mountain Park Coal Company, Limited, at Mountain Park, was caused through his being crushed between mine cars and timber. He was driving a horse on B Level, No. 3 East Slope, hauling out trip of loaded cars. The spragger missed the spraggs, which allowed the cars to travel at too high a speed. McMillan jumped off the trip, and was crushed between mine cars and a post on the side of the entry, receiving internal injuries, from the effects of which he died on December 31st, 1921, whilst being conveyed to hospital in Edmonton.

TABLE SHOWING ACCIDENTS AS THEY OCCURRED BY MONTHS DURING THE YEAR 1921.

Months	Above Ground				Below Ground				Total Above and Below ground
	Fatal	Serious	Slight	Total	Fatal	Serious	Slight	Total	
January.....	1	..	..	1	1	5	5	11	12
February.....	..	1	..	1	6	10	3	19	20
March.....	..	1	..	1	1	5	..	6	7
April.....	..	..	..	..	2	1	2	5	5
May.....	..	1	..	1	1	3	1	5	6
June.....	..	..	..	..	2	4	2	8	8
July.....	1	..	..	1	1	1	1	3	4
August.....	..	1	..	1	1	9	..	10	11
September.....	..	..	..	..	..	5	1	6	6
October.....	..	..	..	..	1	6	2	9	9
November.....	..	..	..	..	2	6	2	10	10
December.....	..	1	..	1	1	4	6	11	12
Total.....	2	5	..	7	19	59	25	103	110

Tabulated list of Accidents occurring in the Province above and below ground during the year 1921.

Cause	Fatal		Serious		Slight		Total	
	Above	Below	Above	Below	Above	Below	Above	Below
Haulage.....	1	5	1	21	..	3	2	29
Falls of Rock.....	..	4	..	10	..	2	..	16
Falls of Coal.....	..	5	..	8	..	5	..	18
Electric Coal Cutting Machine.....	..	..	..	2	..	1	..	3
Shot-firing.....	..	2	..	14	..	6	..	22
Shaft Accidents.....	..	1	..	2	..	..	..	3
Falling into Chute.....	..	1	..	1	..	..	..	2
Chute Loading.....	..	..	..	1	..	..	..	1
Timbering.....	..	1	..	..	..	2	..	3
Struck by flying coal from pick.....	..	..	..	..	..	2	..	2
Asphyxiation by fumes of gasoline engine....	..	..	..	..	..	1	..	1
Tipple Machinery.....	1	..	1	..	..	..	2	..
Steam Shovel.....	..	..	1	..	..	..	1	..
Fan Machinery.....	..	..	1	..	..	..	1	..
Miscellaneous.....	..	..	1	..	..	3	1	3
Total.....	2	19	5	59	..	25	7	103

Tabulated List of Accidents occurring in the Province above and below ground for the year 1921, classified according to the Districts in which they occurred.

Name of District	Fatal		Serious		Slight		Total		Total above and below ground
	Above	Below	Above	Below	Above	Below	Above	Below	
Crow's Nest Pass.....	1	5	1	11	..	..	2	16	18
Pincher Creek.....	..	..	..	..	..	..	..	..	..
Lethbridge.....	..	2	..	12	..	1	..	15	15
Magrath.....	..	..	..	..	..	..	..	..	..
Milk River.....	..	..	..	..	..	..	..	..	..
Taber.....	..	..	..	1	..	..	..	1	1
Bow Island.....	..	..	..	..	..	..	..	..	..
Medicine Hat.....	..	..	..	..	..	..	..	..	..
Aldersyde.....	..	..	..	..	..	..	..	..	..
High River.....	..	..	..	..	..	..	..	..	..
Canmore.....	..	1	..	2	..	4	..	7	7
Banff.....	1	1	..	5	..	1	1	1	2
Drumheller.....	..	2	..	1	..	1	..	8	8
Big Valley.....	..	..	..	..	..	..	..	1	1
Brazeau.....	..	1	1	4	..	1	1	6	7
Brooks.....	..	..	..	..	..	..	..	..	..
Hanna.....	..	..	..	..	..	..	..	..	..
Lacombe.....	..	..	..	..	..	..	..	..	..
Trochu.....	..	..	..	..	..	..	..	..	..
Three Hills.....	..	..	..	2	..	..	..	2	2
Carbon.....	..	..	..	..	..	..	..	..	..
Battle River.....	..	..	..	..	..	..	..	..	..
Camrose.....	..	..	..	..	..	..	..	..	..
Tofield.....	..	..	..	..	..	..	..	..	..
Clover Bar.....	..	..	1	5	10	..	1	15	16
Edmonton.....	..	..	..	1	4	..	..	5	5
Namao.....	..	..	..	..	..	..	..	..	..
Cardiff.....	..	..	..	1	..	..	..	1	1
Wabamun.....	..	..	..	..	..	..	..	..	..
Pembina.....	..	..	..	3	1	..	..	4	4
Jasper Park.....	..	2	..	2	1	..	..	5	5
Yellowhead.....	..	..	2	..	..	..	2	..	2
Mountain Park.....	..	5	..	9	..	2	..	16	16
Total.....	2	19	5	59	..	25	7	103	110

The following tables give the classification of accidents according to the Coal Field in which they occurred.

## DOMESTIC

Cause	Above Ground			Below Ground			Total
	Fatal	Serious	Slight	Fatal	Serious	Slight	
Rope Haulage (endless) fell in front of moving cars.....	..	..	..	1	..	..	1
Rope Haulage (endless) struck by rope.....	..	..	..	..	1	..	1
Rope Haulage (endless) finger caught in rope clip.....	..	..	..	..	1	..	1
Rope Haulage (endless) finger caught in rope wheel.....	..	..	..	..	1	..	1
Rope Haulage (endless) struck by fall of rock caused by timber being displaced by derailed cars.....	..	..	..	..	1	..	1
Electric Storage Battery Loco. Haulage, crushed between cars while coupling.....	..	..	..	..	1	1	2
Horse Haulage, crushed between mine cars and timber.....	..	..	..	..	4	..	4
Horse Haulage, crushed between loaded mine cars.....	..	..	..	..	1	..	1
Horse Haulage, struck by timber displaced by derailed cars.....	..	..	..	..	1	..	1
Horse Haulage, fell in front of loaded car.....	..	..	..	..	1	..	1
Horse Haulage, struck by fall of rock caused by horse knocking out timber.....	..	..	..	..	1	..	1
Hand Haulage, crushed between loaded cars.....	..	..	..	..	..	1	1
Hand Haulage, hand crushed between car and side of entry.....	..	..	..	..	1	1	2
Fall of rock at face of room.....	..	..	..	2	..	..	2
Fall of rock, struck by fall of rock on entry.....	..	..	..	..	1	..	1
Fall of rock at face of entry.....	..	..	..	..	3	..	3
Fall of rock while timbering.....	..	..	..	..	1	..	1
Fall of coal at face of room.....	..	..	..	..	..	3	3
Fall of coal at face of entry.....	..	..	..	..	2	1	3
Fall of coal in pillar workings.....	..	..	..	..	2	..	2
Coal-cutting machinery (electricity) foot caught by chain picks.....	..	..	..	..	1	..	1
Coal-cutting machinery (electricity) thumb caught in haulage jack.....	..	..	..	..	1	..	1
Ignition of gas in pillar workings through shot-firing.....	..	..	..	..	2	..	2
Ignition of loose black powder by open light.....	..	..	..	..	..	1	1
Shot-firing, struck by flying coal, returned too soon after firing shot.....	..	..	..	..	1	..	1



Classification of Accidents in Domestic Field—(Continued).

Cause	Above Ground			Below Ground			Total
	Fatal	Serious	Slight	Fatal	Serious	Slight	
Shot-firing, struck by flying coal from shot in crosscut.....	..	..	..	..	1	..	1
Shaft accident, fell down shaft.....	..	..	..	..	1	..	1
Shaft accident, caught between cage and side of shaft.....	..	..	..	1	1	..	2
Struck by flying coal from point of pick.....	..	..	..	..	..	2	2
Asphyxiated by fumes from gasoline engine.....	..	..	..	..	..	1	1
Fan machinery, hand caught in fan engine.....	..	1	..	..	..	..	1
Chopping timber, axe slipped cutting foot.....	..	..	..	..	..	1	1
Mining Coal, pick struck into foot.....	..	..	..	..	..	1	1
Struck hand against piece of wood with nail in it.....	..	..	..	..	..	1	1
	..	1	..	4	31	17	53

## THE MINES BRANCH

The following tables give the classification of accidents according to the Coal Field in which they occurred:

## BITUMINOUS

Cause	Above Ground			Below Ground			Total
	Fatal	Serious	Slight	Fatal	Serious	Slight	
Rope Haulage, struck by trip of empty cars.....	..	..	..	..	1	..	1
Rope Haulage, crushed between cars and engine foundation.....	..	..	..	..	..	..	1
Rope Haulage, standing in manhole, struck by derailed empty cars.....	..	..	..	..	1	..	1
Rope Haulage, (McGinty) foot caught in rope while lowering car.....	..	..	..	..	1	..	1
Rope Haulage (Jig), jammed between stop block and car.....	..	..	..	..	1	..	1
Compressed Air Locomotive Haulage, crushed between motor and empty cars.....	..	..	..	..	1	..	1
Electric Storage Battery Locomotive, crushed between locomotive and cars.....	..	..	..	..	1	..	1
Electric Trolley Locomotive, crushed between locomotive and cars.....	..	1	..	..	..	..	1
Horse Haulage, crushed between horse and loaded car.....	..	..	..	..	1	..	1
Horse Haulage, crushed between loaded cars.....	..	..	..	..	1	..	1
Horse Haulage, crushed between cars and timber.....	..	..	..	..	..	..	1
Hand Haulage, struck on hand by piece of coal falling off car.....	..	..	..	..	1	..	1
Fall of rock at face of cross-cut.....	..	..	..	..	..	1	1
Fall of rock on haulage road while clearing up cave.....	..	..	..	..	..	..	1
Fall of rock in pillar workings.....	..	..	..	..	1	..	1
Fall of rock and gravel in slope.....	..	..	..	..	3	..	3
Fall of rock in cross-measure tunnel.....	..	..	..	..	1	..	1
Fall of coal at face of room.....	..	..	..	..	3	1	5
Fall of coal at face of entry while timbering.....	..	..	..	..	1	..	1
Fall of coal in pillar workings.....	..	..	..	..	2	..	2
Shot-firing, ignition of gas whilst firing shots.....	..	..	..	..	7	..	7
Shot-firing, struck by flying coal from shot.....	..	..	..	..	2	..	2
Shot-firing, struck pick into a missed-fire shot.....	..	..	..	..	1	..	1
Falling into chute.....	..	..	..	..	1	..	1
Chute Loading, struck by lump of coal.....	..	..	..	..	1	..	1
Timbering, cut by axe when making wedge.....	..	..	..	..	..	1	1

Classification of Accidents in Bituminous Field.—(Continued).

Cause	Above Ground			Below Ground			Total
	Fatal	Serious	Slight	Fatal	Serious	Slight	
Timbering, scratched by saw when sawing timber, blood poisoning.....	..	..	..	1	..	..	1
Slipped on piece of rock while walking in mine.....	..	..	..	..	..	1	1
Tippie machinery, caught in moving parts.....	1	1	..	..	..	..	2
Steam shovel in stripping, crushed between shovel and railroad ties.....	..	1	..	..	..	..	1
Rock Dump, crushed between loaded cars.....	..	1	..	..	..	..	1
	1	4	..	14	28	8	55

The following tables give the classification of accidents according to the Coal Field in which they occurred:

## ANTHRACITE.

Cause	Above Ground			Below Ground			Total
	Fatal	Serious	Slight	Fatal	Serious	Slight	
Compressed Air Locomotive Haulage, crushed between cars and locomotive...	1	..	..	..	..	..	1
Fall of coal in pillar workings.....	..	..	..	1	..	..	1
	1	..	..	1	..	..	2

Table showing accidents during 1921 classified according to the mines in the DOMESTIC Field in which they occurred:

Name of Operator	District	Above Ground				Below Ground				Total A. & B.
		Fatal	Serious	Slight	Total	Fatal	Serious	Slight	Total	
Can. Pac. Ry. Dept. Nat. Res.	Lethbridge	..	..	..	..	1	12	1	14	14
Chinook Coal Co., Ltd.	Lethbridge	..	..	..	..	1	..	..	1	1
The Canada West Coal Co., Ltd.	Taber	..	..	..	..	..	1	..	1	1
Newcastle Coal Co., Ltd.	Drumheller	..	..	..	..	..	1	..	1	1
North American Collieries (Monarch)	Drumheller	..	..	..	..	..	1	..	1	1
Great West Coal Co., Ltd.	Drumheller	..	..	..	..	1	..	..	1	1
Atlas Coal Co., Ltd.	Drumheller	..	..	..	..	1	..	..	1	1
Celtic Coal Co., Ltd.	Drumheller	..	..	..	..	..	..	1	1	1
Miller, Smith & Miller	Drumheller	..	..	..	..	..	1	..	1	1
Shamrock Coal Co., Ltd.	Drumheller	..	..	..	..	..	1	..	1	1
The Gibson Syndicate	Drumheller	..	..	..	..	..	1	..	1	1
Ant Hill Coal Co.	Big Valley	..	..	..	..	..	1	..	1	1
John Lebisto	Three Hills	..	..	..	..	..	1	..	1	1
The Palisade Coal Co., Ltd.	Three Hills	..	..	..	..	..	1	..	1	1
Humberstone Coal Co., Ltd.	Clover Bar	..	..	..	..	..	2	3	5	5
The Bush Mine Coal Co., Ltd.	Clover Bar	..	..	..	..	..	..	1	1	1
Keith & Fulton	Clover Bar	..	1	..	1	..	..	1	1	2
Fraser-Mackay Collieries Ltd.	Clover Bar	..	..	..	..	..	1	..	1	1
R. P. Ottewell	Clover Bar	..	..	..	..	..	..	1	1	1
Great West Coal Co., Ltd.	Clover Bar	..	..	..	..	..	1	4	5	5
Beverly Coal & Gravel Co., Ltd.	Clover Bar	..	..	..	..	..	1	1	1	1
McPeak Coal Co.	Edmonton	..	..	..	..	..	..	2	2	2
Edmonton Collieries Ltd.	Edmonton	..	..	..	..	..	..	1	1	1
S. Centazzo	Edmonton	..	..	..	..	..	1	..	1	1
Reed & Brown	Edmonton	..	..	..	..	..	1	..	1	1
Banner Coal Co., Ltd.	Cardiff	..	..	..	..	..	1	..	1	1
North American Collieries Ltd.	Pembina	..	..	..	..	..	3	1	4	4
Total		..	1	..	1	4	31	17	52	53

Tables showing accidents during 1921 classified according to the mines in the BITUMINOUS Field in which they occurred:

Name of Operator	District	Above Ground			Below Ground			Total A. & B.
		Fatal	Serious	Slight	Fatal	Serious	Slight	
Hillcrest Collieries Ltd.	Crow's Nest Pass	..	..	..	..	3	..	3
Bellevue Collieries Ltd.	Crow's Nest Pass	..	..	..	..	1	..	1
West Can. Coll. Ltd. (Bellevue)	Crow's Nest Pass	..	..	..	3	3	..	6
McGillivray Creek Coal & Coke Co. Ltd.	Crow's Nest Pass	..	1	..	..	1	..	2
West Can. Coll. Ltd. (Greenhill)	Crow's Nest Pass	1	..	..	2	2	..	5
H. E. Perlman	Crow's Nest Pass	..	..	..	..	1	..	1
Canmore Coal Co., Ltd.	Canmore	..	..	..	1	2	3	6
P. Burns' Coal Mines Ltd.	Canmore	..	..	..	..	..	..	..
Brazeau Collieries Ltd.	Brazeau	..	1	..	1	3	1	5
Alexo Coal Co. Ltd.	Brazeau	..	..	..	..	1	..	1
Jasper Park Collieries Ltd.	Jasper Park	..	..	..	..	1	1	2
Blue Diamond Coal Co. Ltd.	Jasper Park	..	..	..	2	1	..	3
Oliphant-Munson Colls. Ltd.	Yellowhead	..	2	..	..	..	..	2
Mountain Park Coal Co. Ltd.	Mountain Park	..	..	..	5	8	..	13
Cadomin Coal Co. Ltd.	Mountain Park	..	..	..	..	1	2	3
Total .....	.....	1	4	..	5	28	8.	55

Table showing accidents during 1921 classified according to the mines in the ANTHRACITE Field in which they occurred:

Name of Operator	District	Above Ground			Below Ground			Total A. & B.
		Fatal	Serious	Slight	Fatal	Serious	Slight	
Can. Pac. Ry. Dept. Nat. Res., Bankhead.	Bankhead	1	..	..	1	..	..	2

## LIST OF PROSECUTIONS UNDER THE MINES ACT DURING 1921.

Mine in which contravention was committed	Description of Defendant	Offence Charged	Result of Proceedings	Penalty	Costs
North American Collieries, Ltd. (Coalhurst).....	Miner.....	Storing powder in his working place ..	Convicted.....	Fined \$50.....	\$5.65
Jasper Park Collieries, Ltd.....	Miner.....	Having matches in his possession ..	Convicted.....	Fined \$50.....	7.50
Blue Diamond Coal Co., Ltd.....	Driver.....	Injury to horse, not taking proper care ..	Convicted.....	Fined \$50 or three months.....	7.00
Blue Diamond Coal Co., Ltd.....	Driver.....	Leaving horse loose in the mine, thus endangering the horse by accident..	Convicted.....	Fined \$5 or thirty days.....	7.00
West Canadian Coll. Ltd. (Greenhill Mine).....	Miner.....	That he did have in his locker in the wash-house five electric detonators ..	Convicted.....	Fined \$25.....	7.25
Chinook Coal Co., Ltd.....	Loader.....	Did have in his possession a pipe when underground.....	Convicted.....	Fined \$2.50 or fourteen days ..	None
Yellowhead Coal Company.....	Miner.....	That he did an act likely to cause danger to the mine, or to any person.....	Convicted.....	Three months' imprisonment Fort Saskatchewan.....	None
Brazeau Collieries, Ltd.....	Track-layer.....	Riding on trip without authority.....	Convicted.....	\$40 fine or thirty days' hard labor.....	\$4.50
Brazeau Collieries, Ltd.....	Pusher.....	Striking driver in the face at the barn at the mine.....	Convicted.....	\$40 fine or thirty days ..	5.25
Brazeau Collieries, Ltd.....	Pusher.....	Damaging electric safety lamp.....	Convicted.....	Fined \$10.....	None
Jasper Park Collieries, Ltd.....	Miner.....	Did unlawfully, negligently, and carelessly neglect to use the greatest precaution in the care and handling of explosives in said mine, wherein safety lamps are required to be used; to wit, did leave in the aforesaid mine four sticks of explosives, unused, which remained in the possession of miner, and did not bring said explosive out of the mine and return it at once to the place of storage provided for that purpose.....	Convicted.....	Fined \$25.....	6.00

## LIST OF PROSECUTIONS.—(Continued).

Mine in which contravention was committed	Description of Defendant	Offence Charged	Result of Proceedings	Penalty	Costs
Jasper Park Collieries, Ltd. ....	Miner.....	Did unlawfully, negligently, and carelessly neglect to use the greatest precaution in the care and handling of explosives in said mine, wherein safety lamps are required to be used; to wit, did leave in the aforesaid mine four sticks of explosives unused, which remained in the possession of said miner, and did not bring the said explosive out of the mine and return it at once to the place of storage provided for that purpose.....	Convicted.....	Fined \$25.....	\$6.00
Blairmore Coal Co., Ltd. ....	Mine Operators.....	That they did fail to make returns of operations to the Minister for the month of April, 1921.....	Convicted.....	Fined \$5.....	4.50
North American Coll., Ltd. (Nacmine).....	Examiner.....	Firing shot in Monarch mine without first seeing that all persons were out of reach of danger from effect of the shot, in that and the adjoining place as required by Subsec. 2, Sec. 111 of The Mines Act.....	Convicted.....	Fined \$100.....	4.00
Cadomin Coal Co., Ltd. ....	Miner.....	That he did have in his possession in the mine two keys for relighting safety lamps without authority from the manager.....	Convicted.....	Fined \$10 or one month.....	7.80
Cadomin Coal Co., Ltd. ....	Miner.....	That he did have in his possession in the mine two keys for relighting safety lamps without authority from the manager.....	Convicted.....	Fined \$10 or one month.....	7.80
Cadomin Coal Co., Ltd. ....	Timber Packer.....	That he did have three matches on his person in the mine.....	Convicted.....	Fined \$10 or one month.....	7.80

## LIST OF PROSECUTIONS.—(Continued).

Mine in which contravention was committed	Description of Defendant	Offence Charged	Result of Proceedings	Penalty	Costs
Cadomin Coal Co., Ltd.	Timber Packer.	That he did have a partially smoked cigarette on his person in the mine . . .	Convicted . . . . .	Fined \$10 or one month . . . . .	\$7.80
John Miklik . . . . .	Operator . . . . .	That he did fail to make returns to the Minister, as required for operations at his mine . . . . .	Convicted . . . . .	Fined \$10 . . . . .	4.50
Regal Collieries, Ltd. . . . .	Operator . . . . .	Failed to pay taxes for November and December, 1920 . . . . .	Convicted . . . . .	Fined \$10 . . . . .	8.00
West Canadian Coll., Ltd. (Greenhill Mine) . . . . .	Examiner . . . . .	That he did fire a shot before taking such precautions as were necessary to prevent a miner inadvertently approaching the same in No. 5 entry . .	Convicted . . . . .	Fined \$75 . . . . .	12.00
L. Bobier . . . . .	Miner . . . . .	Did operate a mine without notifying the Minister and District Inspector of Mines as required by The Mines Act . . . . .	Convicted . . . . .	Fined \$3 . . . . .	None
L. Bobier . . . . .	Miner . . . . .	Did operate a mine without having underground workings in charge of certificated person . . . . .	Convicted . . . . .	Fined \$2 . . . . .	1.00
William Bolze . . . . .	Farmer . . . . .	Did operate a mine without notifying the Minister and District Inspector of Mines . . . . .	Convicted . . . . .	Fined \$3 . . . . .	None
William Bolze . . . . .	Farmer . . . . .	Did operate a mine without having the underground workings in charge of a certificated person . . . . .	Convicted . . . . .	Fined \$2 . . . . .	1.00
Dennis Blair . . . . .	Farmer . . . . .	Did operate a mine without notifying the Minister and District Inspector of Mines . . . . .	Convicted . . . . .	Fined \$3 . . . . .	1.00
William Schamehorn . . . . .	Mine Operator . . . . .	Did fail to have the underground workings of his mine in charge of certificated person . . . . .	Convicted . . . . .	Fined \$50 . . . . .	1.75



## LIST OF PROSECUTIONS.—(Continued).

Mine in which contravention was committed	Description of Defendant	Offence Charged	Result of Prosecutions	Penalty	Costs
Ardley Hardite Coll., Ltd.....	Mine Operator...	Did fail to pay wages earned from 16th day of November, 1921, to the 30th day of November, 1921.....	Convicted.....	Fined \$100.....	\$9.50
Cadomin Coal Co. Ltd.....	Miner.....	That he did have in his possession in the mine two keys for relighting safety lamps without authority from the Manager.....	Convicted.....	Fined \$10 or 1 month.....	7.80
Cadomin Coal Co., Ltd.....	Miner.....	That he did have in his possession in the mine two keys for relighting safety lamps without authority from the Manager.....	Convicted.....	Fined \$10 or 1 month.....	7.80
Cadomin Coal Co., Ltd.....	Miner.....	That he failed to care for safety lamps as required by Sec. 113 of The Mines Act.....	Convicted.....	Fined \$40.....	17.50

## CROW'S NEST PASS DISTRICT—DISTRICT NO. 1

✓ *Hillcrest Collieries Limited (Mine No. 40).*

Mine Office: Hillcrest.  
 Head Office: 160 St. James Street, Montreal, Quebec.  
 Authorized Capital: \$3,000,000.00.  
 President: Sir Charles Gordon, C.B.E.  
 Directors: Sir Herbert Holt, G. H. Duggan, J. M. Mackie, M. P. Davis,  
 R. G. Drinnan, C. R. Hamilton, K. C. Nelson, C. P. Hill, Charles Meredith.  
 Managing Director and Secretary: J. M. Mackie.  
 General Manager: William Stevenson, Jr.  
 Treasurer: Frank J. Smith.  
 Mine Manager: Thomas O. Davies.  
 Overman: John Ironmonger.  
 Examiners: George Bamborough, William Adlam, J. W. Makin, Dan C. Kyle,  
 Henry Instone, Dennis Convery, Fred Willets, Frank Lote, Harry Fisher,  
 Charles Evans, John Mackie, John Madison.  
 Mine Surveyor: David S. Hutchinson.  
 Location of Mine: N.E.  $\frac{1}{4}$ , Sec. 18, Tp. 7, Rge. 3, W. of the 5th Mer.  
 Area: 4120 acres. Character of Coal: Bituminous.

The mine is situated near Hillcrest, on the Crow's Nest Branch of the Canadian Pacific Railway.

The seam being worked is the No. 1, which is from 15 to 18 feet thick, pitching at an angle of 30 degrees in a westerly direction.

The mine is entered by means of two slopes, which have been driven approximately 4,000 feet, with levels turning to right and left off the slopes. Off the No. 1 slope there are five levels turned to the south and off the No. 2 slope seven levels to the north.

The method of working is room and pillar; the slopes are driven 7 feet high by 12 feet wide, the gangways are driven 10 feet wide by thickness of seam, the rooms are driven up the pitch 12 feet wide by 14 feet high, with pillars between rooms 50 feet square.

The capacity of the plant is 1400 tons per day of 8 hours, the mine cars holding two tons. Workmen use cap lamps of the Edison Electric type, officials using both Wolf flame safety and Electric Lamp.

The haulage on the entries is by horses, and on the slopes by direct haulage by steam driven hoists.

The following additions have been made to the plant:

Three electrically driven Centrifugal Pumps, one 6 ft. Sullivan Reversible Fan, with capacity of 100,000 cubic feet per minute, electrically operated, with automatic water gauge, one Cross Compound Robb Armstrong Corliss Condensing Engine, direct connected to a 400 K.V.A. Generator, one Ingersoll Rand Duplex Type Cross Compound Air Compressor, and one electrically operated Marcus screen.

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*West Canadian Collieries Limited. (Bellevue Mine No. 87).*

✓ Mine Office: Bellevue.  
 Head Office: 3 London Wall Buildings, London, E.C.2. England.  
 Head Office in Canada: Blairmore, Alberta.  
 Authorized Capital: \$3,600,000.00.  
 President: Alphonse Wicart.  
 Vice-President: Edmund Ory.  
 Vice-President in Canada and General Manager: J. Charbonnier.  
 Directors: Edouard Decoster, Edouard Carlier, Baron R. de la Grange Otard,  
 Jean Cavois, Henry Maitland Kersey, Edouard Rasse, Hon. Senator  
 Raoul Dandurand, Hon. Rodolphe Lemieux, Alphonse Wicart, Edmund  
 Ory and Jules Charbonnier.  
 Secretary-Treasurer: Walter F. Prior.  
 General Superintendent: Raoul Green.  
 Mine Manager: L. P. Robert.  
 Overmen: A. Hallworth, N. MacDonald.  
 Examiners: H. Blake, R. Brown, G. Coupland, H. Hutton, D. Hutton,  
 H. Smith, W. Prescott, S. Richards.  
 Mine Surveyor: M. Piard.  
 Master Mechanic: A. B. Carr.  
 Location of Mine: No. 2 mine, L.S. 16, Sec. 29, Tp. 7, Rge. 3, W. of the 5th Mer.

No. 1 mine, L. S. 10, Sec. 20, Tp. 7, Rge. 3, W. of the 5th Mer.

Area: 1880 acres. Character of Coal: Bituminous.

The mine is situated at Bellevue, on the Crow's Nest Branch of the Canadian Pacific Railway.

The seam being worked is the No. 1, which is from 13 to 16 feet thick, pitching from 30 to 35 degrees in a westerly direction.

The mine is entered by means of drifts driven in from the outside at different elevations, the Nos. 1 to 6 levels being above drainage level. Off No. 6 level a slope has been driven a distance of 2000 feet in length, off which has been turned the No. 7 level; the slope has a pitch of 12 degrees.

The method of working is room and pillar, with the rooms straight up the pitch, rooms being 12 feet in width, and turned off at 65 feet centres.

Haulage on the levels is done with compressed air locomotives, and on the slope by an electrically-operated hoist, which is located on the surface.

The plant has a capacity of 1,700 tons per day of 8 hours, the mine cars holding 2.9 tons.

Workmen use cap lamps of the Edison Electric type, officials using both Wolf Flame Safety and Electric lamps.

The following additions have been made to the plant:

A new wash-house, 50 ft. by 90 ft, built of hollow tile, with stucco finish, in which there are 300 steel lockers and all necessary accommodation for the workmen to wash and change. A room has been reserved as an emergency hospital, containing two beds and first aid supplies. The water for the wash-house is heated in a separate building, in which there is installed a 70-H.P. Return Tubular Boiler. One double inlet fan, capacity 100,000 cubic feet per minute, operated electrically by a 75-H.P. induction motor, one electrically operated rotary dump with car hauls for loaded and empty cars, a lump coal picking belt, two 3-inch Cameron Pumps, one 3-inch high pressure air line 5,000 feet in length, one 35-H.P. and one 200-H.P. electrically operated hoist, one 12 by 12 hollow tile stucco finished powder thaw-house, one electrically operated box car loader, one 400 K.V.A. Alternating Current Generator.

### ✓ *International Coal & Coke Company, Limited. (Mine No. 88).*

Mine Office: Coleman.

Head Office: Coleman.

Authorized Capital: \$3,000,000.00.

President: A. C. Flumerfelt.

Directors: A. C. Flumerfelt, Jas. Black, C. S. Houghton, R. W. Riddell.

Secretary: J. Emerson.

Treasurer: A. S. Wyllie.

General Manager: O. E. S. Whiteside.

General Superintendent: O. E. S. Whiteside.

Mine Manager: David Davies.

Overman: John Cox.

Assistant Overman: T. Badham.

Examiners: A. J. Brown, T. Fynn, R. M. Greenhalgh, W. White.

Mine Surveyor: Luke Lindoe.

Master Mechanic: J. Scott.

Location of Mine: Sec. 8, Tp. 8, Rge. 4, West of the 5th Mer.

Area: 4,410 acres. Character of Coal: Bituminous.

The mine is located at Coleman, on the Crow's Nest Branch of the Canadian Pacific Railway.

There are two seams being operated at this mine, the No. 2 and No. 4, the No. 2 seam having an average thickness of 16 feet and the No. 4, 7 feet, the average pitch of both seams being 31 degrees in a westerly direction.

The mine is entered by means of a drift driven in a distance of approximately two and a half miles. The coal above this level has been extracted.

The present workings are to the dip of this level, off which slopes have been driven on the full pitch in the No. 4 seam. Levels have been turned at 600 and 1200 feet respectively, and sinking of the slope is being continued. Off the 600 and 1200 foot levels, cross measure drifts have been driven to No. 2 seam. No. 2 "B" level is in a distance of 2 miles from the slope, which is the limit it is intended to drive, the pillars being extracted from the inside end. No. 2 "C" level is in a distance of 1,000 feet, no rooms having been opened up. The No. 4 "B" level has been driven a distance of 1 mile. A second mine has been opened on the north side of the track by means of a drift, and a slope has been put down and No. 2 "B" level broken off. This slope is being continued down to "C" level.

The method of working is room and pillar, rooms being 10 feet wide by height of seam, pillars varying from 50 to 100 feet in width between rooms as the overlying strata increases in thickness.

Workmen use cap lamps of the Edison Electric type, officials using both Wolf Flame Safety and Electric Lamps.

*Mohawk Bituminous Mines, Limited. (Mine No. 133).*  
*(Formerly the Maple Leaf Coal Company Limited)*

Mine Office: Bellevue.

Overman: Hector Macdonald.

Location of Mine: Secs. 16 and 21, Tp. 7, Rge. 3, West of the 5th Mer.

This mine was re-opened by the Bellevue Collieries, Ltd., in 1919 and was taken-over by the Mohawk Bituminous Mines, Ltd., in 1921.

The mine is being operated on the No. 1 seam, which has a thickness of  $4\frac{1}{2}$  feet, on a pitch of 60 degrees with sandstone roof and pavement.

No improvements have been made at this mine, the output being 50 tons per day

✓ *McGillivray Creek Coal & Coke Company, Limited. (Mine No. 204.)*

Mine Office: Coleman.

Head Office: Coleman.

Authorized Capital: \$3,000,000.00.

President: James A. Nowell.

Directors: James A. Nowell, L. A. Campbell, Fitzhugh Burns, George Kellock.

Secretary-Treasurer: A. F. Short.

General Manager: George Kellock.

Mine Manager: David Davidson.

Overmen: J. O. C. MacDonald, A. Dewar.

Examiners: H. Gates, T. Parry, R. Holmes, I. A. James, W. Hopkins,

J. Kellock, H. Dunlop, J. T. Griffiths,

Mine Surveyor: W. E. G. Hall

Master Mechanic: Herdman McLeod.

Location of Mine: S.E.  $\frac{1}{4}$  Sec. 17, Tp. 8, Rge. 4, W. of the 5th Mer.

Area: 640 acres.

Character of Coal: Bituminous.

The mine is located at Coleman, on the Crow's Nest Branch of the Canadian Pacific Railway.

Operations are carried on in the No. 2 seam, which has a thickness of from 10 to 15 feet, pitching 28 to 32 degrees in a westerly direction.

The mine is opened up by means of three slopes driven on the full pitch of the seam, off which levels are driven in a northerly direction, with rooms up the pitch.

The method of working is room and pillar, with rooms 10 feet wide by thickness of seam, pillars between rooms 50 feet square. The slopes are located about a mile from the tippie, which is located near the main line of the C.P.R., coal being hauled from the mine to the tippie by electric locomotives of the trolley type. A rock tunnel 3,500 feet in length has been driven from tippie level and connected with the mine workings at the No. 1 level. This will reduce the haulage to the tippie by at least one mile, also doing away with the long outside haul, which gave considerable trouble during the winter.

Cap lamps of the Edison Electric type, also Wolf Flame type safety lamps, are in use by the workmen and officials.

*West Canadian Collieries Limited (Greenhill Mine). (Mine No. 396.)*

Mine Office: Blairmore.

Head Office: 3 London Wall Bldgs., London, E.C.2, England.

Authorized Capital: \$3,600,000.00.

President: Alphonse Wicart.

Vice-President: Edmund Ory.

Vice-President in Canada and General Manager: J. Charbonnier.

Directors: Edouard Decoster, Edouard Carlier, Baron R. de la Grange Otard, Jean Cavois, Henry Maitland Kersey, Edouard Rasson, Hon. Senator Raoul Dandurand, Hon. Rudolphe Lemieux, Alphonse Wicart, Edmund Ory and Jules Charbonnier.

Secretary-Treasurer: Walter F. Prior.

General Superintendent: Raoul Green.

Mine Manager: Raoul Green.

Overman: Alan Hamilton.

Examiners: W. McVey, J. McAndrews, M. Joyce, J. Patterson, Thomas Smith, C. Thomason, R. Hayes, G. Evans, A. Pitt, J. A. MacDonald, W. North, T. Barnes, M. Hamilton, D. Kemp.

Master Mechanic: John McPhail.

Mine Surveyor: Owen Morgan.

Location of Mine: N.W.  $\frac{1}{4}$  Sec. 2, Tp. 8, Rge. 4, W. of the 5th Mer.

Area: 2,400 acres.

Character of Coal: Bituminous.

This mine is located at Blairmore, on the Crow's Nest Branch of the Canadian Pacific Railway.

The seam being worked is the No. 1, which has a thickness of from 12 to 17 feet, pitching 35 degrees in a westerly direction.

The mine is opened by means of levels driven in the face of the mountain at different elevations, the No. 3 level being 450 feet above the tippie, and the No. 5 is driven in at tippie level.

Method of working is room and pillar, rooms being driven both up the pitch and across the pitch at an angle.

Haulage on No. 3 level is done by main and tail rope system for the first  $1\frac{1}{2}$  miles, and from this point to face of the entry by horses. The coal is lowered to tippie level from No. 3 by a self-acting incline. Haulage on No. 5 level is done entirely by horses.

Workmen all use cap lamps of the Edison Electric type, officials using both an Edison Electric and Wolf Flame type Safety lamp.

The plant has a capacity of 2,500 tons in 8 hours, the mine cars holding 2 tons.

A new complete tippie and screening facilities have been installed with an electrically driven rotary dump and car hauls, for both loaded and empty cars, has been constructed on the bench above the railroad.

The following improvements have been made to the plant:

50 x 90 hollow tile stucco wash-house building, in which has been installed 300 steel lockers and sprays, also a room for an emergency hospital. The heating of the water for the wash-house is done in a separate building, containing a 70 H.P. return tubular boiler and water tank. One 150 H.P. main and tail rope haulage engine, two 80-H.P. return tubular boilers, and one 30 H.P. electrical hoist.

*Blairmore Coal Company, Limited. (Mine No. 802.)*

Mine Office: Blairmore.

Head Office: Blairmore.

Authorized Capital: \$600,000.00.

President: A. Mutz.

Directors: T. F. Saunders, A. Doyle, W. H. Harwood, F. Wassen.

Secretary-Treasurer: J. H. Farmer.

Overman: John Jackson.

Surveyor: W. E. G. Hall.

Location of Mine: E.  $\frac{1}{2}$  Sec. 34, Tp. 7, Rge. 4, W. of the 5th Mer.

Character of Coal: Bituminous.

The mine is located at Blairmore, on the Crow's Nest Branch of the Canadian Pacific Railway, to which it is connected by a spur one mile long.

The No. 2 seam which is being worked has an average thickness of  $6\frac{1}{2}$  feet, pitching 45 degrees in a westerly direction, being considerably faulted.

The mine is entered by means of levels driven in from the face of the hill, the main entry having been driven a distance of 2,000 feet from the outcrop. Safety lamps of the Wolf type are in use throughout the mine.

The plant consists of an electrically operated Murphy Fan, which has a capacity of 25,000 cubic feet per minute, and one gasoline operated Air Compressor.

*H. E. Perlin. (Mine No. 850.)*

Mine Office: Coleman.

Overman: R. T. Stewart.

Location of Mine: Sec. 35, Tp. 7, Rge. 5, W. of the 5th Mer.

This property was formerly operated by the Alberta Crow's Nest Coal Company, Limited. The work consisted of prospecting in an endeavor to find a workable seam. Considerable work has been done on different parts of the property, but no seam of commercial value has yet been found, work being finally abandoned September, 1921.

PINCHER CREEK DISTRICT.—DISTRICT NO. 2.

*Charles E. Cartwright. (Mine No. 59.)*

Mine Office: Lundbreck.

Operator: Charles E. Cartwright.

Overman: Charles E. Cartwright.

Surveyor: J. L. Parker.

Location of Mine: N.E.  $\frac{1}{4}$  Sec. 26, Tp. 7, Rge. 2, W. of the 5th Mer.

Area: 180 acres.

Character of Coal: Domestic.

The seam being worked has a thickness of from 8 to 10 feet of coal, with soft shale floor and roof, pitching 60 degrees in a westerly direction, the thickness of cover being about 100 feet.

The mine is entered by a slope 6 feet high by 6 feet wide and 150 feet long, on a pitch of 14 degrees, up which the cars are hauled to the surface by mean of a gasoline operated hoist.

The output is about 10 tons per day, the coal being consumed locally.  
Safety lamps of the Wolf type are in use.

*Glacier Coal Co., Ltd. (Mine No. 76.)*

Mine Office: Lundbreck.

Head Office: Old National Building, Spokane, Washington.

President: J. A. Bevan.

Operator: Wm. Ashurst.

Secretary-Treasurer: Oscar Cain.

Overman: Wm. Ashurst.

Mine Surveyor: J. L. Parker.

Character of Coal: Domestic.

Location of Mine: Sec. 23, Tp. 7, Rge. 2, W. of the 5th Mer.

This mine is located near Lundbreck, on the Crow's Nest Branch of the Canadian Pacific Railway, and was formerly operated by the Alberta Coal & Coke Company, Ltd., being abandoned by this Company in 1909.

The mine is opened by means of a slope, is driven on a pitch of 30 degrees for a distance of 250 feet, from which a level has been turned off in the seam.

The output averages 20 tons per day, the bulk of which is shipped to Spokane, the balance being sold locally.

A tippie has been erected at this mine, with bunker capacity of 50 tons; also a 25 H.P. steam hoist has been installed for hoisting mine cars up the slope, steam being supplied by a vertical boiler, the intention being to develop the mine to a capacity of 200 tons per day.

Safety lamps of the Wolf type are in use throughout the mine.

*J. H. Owens. (Mine No. 295.)*

Mine Office: Pincher Creek.

Overman: John Solus.

Mine Surveyor: J. F. Hamilton.

Location of Mine: N.W.  $\frac{1}{4}$  Sec. 10, Tp. 5, Rge. 1, W. of the 5th Mer.

Area: 40 acres.

Character of Coal: Domestic.

This mine is located  $12\frac{1}{2}$  miles south-west of Pincher Creek, and is entered by means of a cross measure drift 7 feet in height by 8 feet in width, 150 feet in length.

The seam has an average thickness of 8 feet, with sandstone roof and floor, pitching 25 degrees in a south-westerly direction, with cover 250 feet in thickness.

The mine has a capacity of 50 tons, all coal being sold locally. Open lights are used throughout the mine.

*Sparrow and Murtland. (Mine No. 715.)*

Mine Office: Pincher Creek.

Overman: Thomas J. Sparrow.

Mine Surveyor: J. F. Hamilton.

Location of Mine: S.W.  $\frac{1}{4}$  Sec. 16, Tp. 5, Rge. 1, W. of the 5th Mer.

Character of Coal: Domestic.

Owners: Thomas Sparrow and R. Murtland.

This mine is located 14 miles south-west of Pincher Creek, and is entered by means of a cross measure drift 8 feet high by 8 feet wide, and 50 feet in length.

The seam has a thickness of 7 feet, with sandstone roof and pavement, pitching 25 degrees in a south-westerly direction.

The mine produces an average output of 50 tons per day, which is consumed locally.

Open lights are used throughout the mine.

*George Ballantyne. (Mine No. 199.)*

*Formerly operated by the Canadian Coal & Coke Co.*

Mine Office: Beaver Mines.

Overman: William Koener.

Location of Mines: Secs. 9-10, Tp. 6, Rge. 2, W. of the 5th Mer.

This mine is being operated on the No. 1 Seam, the coal being sold for local consumption.

The output is from 10 to 15 tons of coal per day.

*J. Mikilik. (Mine No. 330.)*

Mine Office: Pincher Creek

Overman: J. Mikilik.

Location of Mine: Sec. 25, Tp. 5, Rge. 2, W. of the 5th Mer.

## ✓ LETHBRIDGE DISTRICT.—DISTRICT NO. 3.

*Department of Natural Resources, Canadian Pacific Railway Company.  
(Mine No. 3.)*

Mine Office: Lethbridge.  
Head Office: Montreal, Quebec.  
President: E. W. Beatty.  
Vice-President: Grant Hall.  
Directors: A. B. Angus, E. W. Beatty, Hon. Frederick L. Beique, Sir John C. Faon, Grant Hall, Sir Herbert S. Holt, C. R. Hosmer, Col. Frank S. Meighen, Sir Vincent Meredith, Sir Augustus M. Nanton, Sir Edmund B. Osler, J. K. L. Ross, Hon. Lord Shaughnessy, Hon. Wm. J. Shaughnessy, Sir Thomas Skinner.  
Secretary: Ernest Alexander.  
Treasurer: H. E. Suckling.  
General Manager: P. L. Naismith.  
General Superintendent: Lewis Stockett.  
Mine Manager: Robert Livingstone.  
Mine Surveyor: W. Meldrum.  
Area: 15,115 acres. Character of Coal: Domestic.

## No. 3 MINE

Overmen: John C. Livingstone, George Taylor.  
Examiners: John Parks, R. Scott, A. Parks, L. E. Huff.  
Master Mechanic: John Scott.  
Location of Mine: L.S. 13, Sec. 6, Tp. 9, Rge. 21, W. of the 4th Mer.

## No. 6 MINE

Overman: Wm. Crawford.  
Examiners: D. Coutts, J. A. Cooper, R. Clark, J. Hamilton, T. Mossey, J. Moore, J. McGowan, J. Stewart, G. Hargreaves, W. Goldie, J. Miller, T. Worthington, W. J. Robertson.  
Master Mechanic: J. A. Carruthers.  
Location of Mine: L.S. 15, Sec. 18, Tp. 9, Rge. 21, W. of the 4th Mer.  
The Lethbridge seam, which is being worked, has a thickness of 4 ft. 4 inches, with shale roof and pavement, and is worked on the room and pillar system, all coal being undercut by compressed air machines of the Puncher type.  
The main haulage is by means of endless rope, horses being used for gathering from working faces.  
Both mines are entered by shafts, the No. 3 shaft being 8 feet by 15 feet by 300 ft. in depth, and the No. 6 shaft 19 ft. by 18 ft. by 400 ft. in depth.  
The plant at the No. 3 mine has a capacity of 800 tons per day, the mine cars holding 2,000 lbs. The plant at No. 6 mine has a daily capacity of 1,600 tons, the mine cars holding 2,500 lbs.  
Cap lamps of the Wico Electric type are used by all workmen in the No. 6 mine except machine men, who are using lamps of the Ceag electric hand type.  
Open lights are used in No. 3 mine.  
The following additions to the plant have been made:  
One 500-H.P. Battery B. & W. Water tube boilers, one 40-foot Marcus picking table, and four spiral apparatus and conveyors for cleaning and handling nut coal.

✓ *Donaldson & Tennant. (Mine No. 54.)  
(Formerly operated by Federal Coals Limited)*

Mine Office: Lethbridge.  
Manager: C. S. Donaldson.  
Overman: R. Tennant.  
Mine Surveyor: C. S. Donaldson.  
Location of Mine: L.S. 5, Sec. 36, Tp. 8, Rge. 22, W. of the 4th Mer.  
Area: 160 acres. Character of Coal: Domestic.  
Owners of Property: Federal Coals Ltd., Box 386, Montreal, Que.  
This mine is located on the west bank of the Old Man River, near Lethbridge, and is entered by means of drifts driven in from the outcrop.  
The Lethbridge seam which is being worked has a thickness of 4 feet 4 inches, with shale roof and pavement, the cover varying from 50 to 300 feet in thickness.  
The coal is conveyed across the river by an aerial rope tramway, from which point it is hauled by teams to the railroad.  
The plant has a capacity of 50 tons per day, the mine cars holding 1,200 lbs.

*North American Collieries Limited. (Mine No. 174.)*

✓ Mine Office: Coalhurst.  
 Head Office: 908 Lancaster Bldg., Calgary, Alberta.  
 Authorized Capital: \$1,000,000.00  
 President: H. A. Lovett, K.C.  
 Vice-President: Hugh Mackay.  
 Directors: J. W. Pyke, R. M. Ballantyne, N. Curry, J. M. Mackie.  
 Secretary-Treasurer: W. W. Berridge.  
 General Manager: W. J. Dick.  
 Mine Manager: D. H. Quigley.  
 Overman: J. D. Keith.  
 Examiners: M. McNabb, J. Ferguson, J. McPherson, James Lindsay, S. T. Wright, John Lindsay, S. Dixon, J. Higney, John Loxton, George Loxton.  
 Mine Surveyor: J. H. Turner.  
 Master Mechanic: W. McMahon.  
 Location of Mine: L.S. 2, Sec. 21, Tp. 9, Rge. 22, W. of the 4th Mer.  
 Area: 8,000 acres. Character of Coal: Domestic.  
 Owner of Property: North American Collieries, Ltd.  
 This mine is located at Coalhurst, northwest of Lethbridge.  
 The Lethbridge seam which is being worked, has a thickness of 4 ft. 4 inches, with shale roof and pavement.  
 The mine is entered by means of shafts 582 feet deep.  
 The mine is worked on the room and pillar system, the coal being undercut by compressed air machines of the Puncher type.  
 The plant has a capacity of 1,200 tons per day, the mine cars holding 3,000 lbs.  
 The method of haulage is by endless rope, horses being used for gathering purposes.  
 Cap lamps of the Edison electric type are used throughout the mine by the workmen, officials using the Edison electric and Wolf Flame type safety lamps.  
 Improvements consist of the installation of two spiral separators for cleaning nut coal.

*City of Lethbridge. (Mine No. 192.)*

✓ Mine Office: Lethbridge.  
 Overman: Alfred Davis.  
 Mine Surveyor: Alfred Davis.  
 Location of Mine: L.S. 7, Sec. 36, Tp. 8, Rge. 22, West of the 4th Mer.  
 Area: 40.7 acres. Character of Coal: Domestic.  
 Owner of Property: City of Lethbridge.  
 The Lethbridge seam which is being worked, has a thickness of 4 feet, 2 inches, with shale roof and pavement, cover having a thickness of 200 feet.  
 The mine is entered by means of drifts from the bank of the Old Man River, and is worked on the room and pillar system, producing 40 tons per day.  
 The total output of the mine is used by the City of Lethbridge for the power plant and Civic Offices.

*New Barnes Coal Mine Company. (Mine No. 203.)*

Mine Office: Royal View.  
 Overman: A. E. Dupen.  
 Mine Surveyor: A. Davis.  
 Location of Mine: L.S. 9, Sec. 31, Tp. 9, Rge. 21, West 4th Mer.  
 Area: 20 acres. Character of Coal: Domestic.  
 This mine is located in a coulee 5 miles north of Lethbridge, and is entered by means of drifts driven in from the outcrop.  
 The Lethbridge seam which is being worked, has an average thickness of 4 ft., with shale roof and pavement, the cover being 200 ft. thick.  
 All the coal at this mine is being produced from pillars.

*Chinook Coal Company, Limited. (Mine No. 247.)*

Mine Office: Commerce.  
 Head Office: Lethbridge.  
 Authorized Capital: \$3,000,000.00.  
 President: W. A. Wood.  
 Vice-President: Miller Lash.  
 Directors: W. A. Wood, Miller Lash, R. Cassels, Dr. McCallum, R. Somerville.  
 Secretary: J. A. Ready.  
 Treasurer: Miller Lash.



General Manager: Hugh Crawford.

Mine Manager: Moses Johnson.

Overman: David Jones.

Examiners: D. Phillips, R. Wolstencroft, W. Goodrich, H. Evans.

Mine Surveyor: Moses Johnson.

Master Mechanic: W. Simpson.

Location of Mine: L.S. 7, Sec. 12, Tp. 10, Rge. 22, West 4th Mer.

Area: 8,300 acres.

Character of Coal: Domestic.

Owner of Property: Chinook Coal Company, Limited, Lethbridge, Alta.

The Lethbridge seam which is being worked has an average thickness of 4 feet, 6 inches, with shale roof and pavement, the thickness of cover averaging 500 feet.

The mine is entered by shafts 8 ft. 6 in. wide by 17 ft. long by 440 ft. deep.

The system of working is room and pillar, the coal being undercut by compressed air machines of the Puncher type.

Cap lamps of the Edison electric type are used throughout the mine by the workmen, the officials using the Edison Electric and Wolf Flame type safety lamps.

The following improvements and additions to the plant have been made since the last report:

One 150-H.P. Return Tubular Boiler.

One A. C. Generator, 3 phase, 2300 volts, direct connected to a High Speed Steam Engine.

One 112-H.P. Allis-Chalmers Electric Hoist.

*Andrew Molloy. (Mine No. 395.)*

Mine Office: Picture Butte.

Overman: Andrew Molloy.

Mine Surveyor: H. R. Brown.

Location of Mine: L.S. 14, Sec. 27, Tp. 10, Rge. 21, W. of the 4th Mer.

Area: 60 acres

Character of Coal: Domestic.

The Lethbridge seam which is being worked, has a thickness of 3 ft. 4 in., with shale roof and pavement, the cover having an average thickness of 150 ft.

The mine is entered through a drift from the outcrop, and is worked on the room and pillar system.

*The Lethbridge Coal Company, Limited. (Mine No. 676.)*

Mine Office: Lethbridge.

Head Office: Lethbridge.

Authorized Capital: \$150,000.00.

President: W. S. Henderson.

Vice-President: Edgar Burke.

Directors: W. S. Henderson, Edgar Burke, C. C. Cook.

Secretary: Hugh McIlvenna.

Treasurer: C. C. Cook.

General Manager: C. C. Cook.

Overman: A. M. Queen.

Examiners: W. Hynd, Hugh Evans.

Mine Surveyor: J. F. Hamilton.

Master Mechanic: F. Blasko.

Location of Mine: L.S. 12, Sec. 12, Tp. 9, Rge. 22, W. of the 4th Mer.

Area: 223 acres.

Character of Coal: Domestic.

The Lethbridge seam which is being worked has a thickness of 4 ft. 6 in., with shale roof and pavement, cover having a thickness of 350 ft.

The mine is entered by means of a slope driven across the measures from the river bank, on a pitch of 21 degrees, up which the coal is hauled by an electrically operated hoist.

The system of working is room and pillar, coal being undercut by compressed air machines of the Puncher type.

The plant has a capacity of 150 tons per day.

From the mine entrance, cars are hauled up a surface slope to the tippie. After passing over gravity screens, the coal is loaded into cars having a capacity of 5 tons each, and hauled  $1\frac{1}{2}$  miles over a narrow gauge railway, by a gasoline locomotive, to a siding on the Canadian Pacific Railway, and then loaded into box cars.

The power used for hoisting, screening, and pumping is purchased from the City of Lethbridge.

Open lights are used throughout the mine.

*Federal Coals Limited. (Mine No. 713.)*

(No. 2 Mine Closed.)

Location of Mine: L.S. 15, Sec. 36, Tp. 8, Rge. 22, W. of the 4th Mer.

*Joseph Burnett Smith. (Mine No. 738.)*

Mine Office: Raymond.  
 Overman: J. B. Smith.  
 Mine Surveyor: J. F. Hamilton.  
 Location of Mine: L.S. 7, Sec. 11, Tp. 8, Rge. 22, W. of the 4th Mer.  
 Area: 20 acres. Character of Coal: Domestic.  
 Thickness of Seam: 2 ft. 6 inches.  
 Thickness of Cover: 100 feet.

*E. H. F. Warren. (Mine No. 750.)*

Mine Office: Commerce.  
 Overman: E. H. F. Warren.  
 Mine Surveyor: H. R. Brown.  
 Location of Mine: L.S. 14, Sec. 27, Tp. 10, Rge. 21, W. of the 4th Mer.  
 Area: 60 acres. Character of Coal: Domestic.  
 Thickness of Seam: 3 feet 10 inches.  
 Thickness of Cover: 150 feet.

*Southern Alberta Coal Company, Limited.*

Mine Office: Empress Block, Lethbridge.  
 Head Office: 318 South Post Street, Spokane, Wash., U.S.A.  
 Authorized Capital: \$45,000.00.  
 President: W. A. Beandry.  
 Directors: W. A. Beandry, S. S. Bassett, R. G. Pritchard, W. Harrold.  
 Secretary-Treasurer: S. S. Bassett.  
 General Manager: W. A. Beandry.  
 Mine Surveyor: J. F. Hamilton.

## MINE NO. 761 (CLOSED)

Overman: W. Reece.  
 Location of Mine: L.S. 4, Sec. 36, Tp. 8, Rge. 22, W. of the 4th Mer.  
 Area: 50 acres. Character of Coal: Domestic.

## MINE NO. 821.

Overman: C. Peacock.  
 Location of Mine: L.S. 10, Sec. 36, Tp. 8, Rge. 22, W. of the 4th Mer.  
 Area: 7 acres. Character of Coal: Domestic.

The Lethbridge seam, which is the seam being worked at these mines, has a thickness of 4 ft., with shale roof and pavement, the cover having a thickness of 200 ft.

They are entered by means of drifts, and are worked on the room and pillar system.

*Keystone Collieries, Limited. (Mine No. 836.)*

Mine Office: Lethbridge.  
 Overman: Thomas Whitelaw.  
 Mine Surveyor: J. F. Hamilton.  
 Location of Mine: L.S. 3, Sec. 36, Tp. 8, Rge. 22, W. of the 4th Mer.  
 Area: 25 acres. Character of Coal: Domestic.  
 Thickness of Seam: 4 ft.

*James F. Hamilton. (Mine No. 871.)*

Mine Office: Lethbridge.  
 Overman: Garnet Brearley.  
 Mine Surveyor: J. F. Hamilton.  
 Location of Mine: L.S. 14, Sec. 36, Tp. 8, Rge. 22, W. of the 4th Mer.  
 Area: 40 acres. Character of Coal: Domestic.  
 Thickness of Seam: 4 ft.  
 Thickness of Cover: 50 ft.

*Edward Wocknitz. (Mine No. 889.)*

Mine Office: Lethbridge.  
 Overman: Robert Mellwaine.  
 Location of Mine: L.S. 16, Sec. 2, Tp. 8, Rge. 22, W. of the 4th Mer.  
 Area: 20 acres. Character of Coal: Domestic.

*Hugh Evans. (Mine No. 893.)—Abandoned.*

Location of Mine: L.S. 1, Sec. 16, Tp. 10, Rge. 21, W. of the 4th Mer.

## MAGRATH DISTRICT. DISTRICT NO. 4.

*Frank Brisco. (Mine No. 55.)*

Mine Office: Magrath.  
Overman: G. F. Russell.  
Mine Surveyor: C. S. Donaldson.  
Location of Mine: L.S. 2, Sec. 18, Tp. 7, Rge. 21, W. of the 4th Mer.  
Area: 70 acres. Character of Coal: Domestic.  
Thickness of Seam: 3 ft. 6 inches.  
Thickness of Cover: 120 ft.

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*John Rollingson. (Mine No. 56.)*

Mine Office: Magrath.  
Overman: John Rollingson.  
Mine Surveyor: J. H. Turner.  
Location of Mine: L.S. 2, Sec. 7, Tp. 7, Rge. 21, W. of the 4th Mer.  
Area: 64 acres. Character of Coal: Domestic.  
Thickness of Seam: 3 feet, 6 inches.  
Thickness of Cover: 50 feet

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*Wm. Reece. (Mine No. 161.)—(Closed)*

Mine Office: Magrath.  
Location of Mine: Sec. 2, Tp. 7, Rge. 22, W. of the 4th Mer.

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*Benjamin Welsh. (Mine No. 409.)*

Mine Office: Magrath.  
Overman: Benjamin Welsh.  
Mine Surveyor: J. H. Turner.  
Location of Mine: L.S. 4, Sec. 17, Tp. 7, Rge. 21, W. of the 4th Mer.  
Area: 20 acres. Character of Coal: Domestic.  
Thickness of Seam: 3 feet.  
Thickness of Cover: 75 feet.

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## MILK RIVER DISTRICT.—DISTRICT NO. 5.

*Robert H. & David Yates. (Mine No. 179.)*

Mine Office: Milk River.  
Overman: Robert H. Yates.  
Mine Surveyor: J. A. H. Church.  
Location of Mine: L.S. 2, Sec. 6, Tp. 3, Rge. 15, W. of the 4th Mer.  
Area: 160 acres. Character of Coal: Domestic.  
Thickness of Seam: 4 feet.  
Thickness of Cover: 50 feet.

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*D'Altroy & Lerhe. (Mine No. 271.)*

Mine Office: Milk River.  
Overman: A. C. D'Altroy.  
Mine Surveyor: J. A. H. Church.  
Location of Mine: L.S. 5, Sec. 26, Tp. 2, Rge. 16, W. of the 4th Mer.  
Area: 160 acres. Character of Coal: Domestic.  
Thickness of Seam: 4 ft.  
Thickness of Cover: 35 feet.

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*D'Altroy & Lerhe. (Mine No. 279.)*

Mine Office: Milk River.  
Overman: William Waters.  
Mine Surveyor: J. A. H. Church.  
Location of Mine: L.S. 3, Sec. 1, Tp. 3, Rge. 16, W. of the 4th Mer.  
Area: 40 acres. Character of Coal: Domestic.  
Thickness of Seam: 3 feet, 6 inches.  
Thickness of Cover: 40 feet.

## THE MINES BRANCH

*Evan Evans. (Mine No. 316.)*

Mine Office: Cardston.  
 Overman: Evan Evans.  
 Mine Surveyor: J. A. H. Church.  
 Location of Mine: L.S. 12, Sec. 26, Tp. 2, Rge. 26, W. of the 4th Mer.  
 Area: 302 acres. Character of Coal: Domestic.  
 Thickness of Seam: 12 feet.

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*Thomas Steegstra. (Mine No. 368.)*

(Closed)

Location of Mine: L.S. 15, Sec. 4, Tp. 2, Rge. 6, W. of the 4th Mer.  
 Thickness of Seam: 6 feet.  
 Thickness of Cover: 200 feet.

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*Evan T. Davies. (Mine No. 381.)*

Mine Office: Lucky Strike.  
 Overman: Evan T. Davies.  
 Mine Surveyor: J. A. H. Church.  
 Location of Mine: L.S. 13, Sec. 6, Tp. 3, Rge. 11, W. of the 4th Mer.  
 Thickness of Seam: 2 feet, 6 inches.  
 Thickness of Cover: 50 feet. Character of Coal: Domestic.

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*W. H. McIntyre. (Mine No. 405.)—(Closed).*

Location of Mine: L.S. 3, Sec. 24, Tp. 3, Rge. 22, W. of the 4th Mer.

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*Philip Goodie. (Mine No. 421.)*

Mine Office: Groton.  
 Overman: Philip Goodie.  
 Mine Surveyor: J. A. H. Church.  
 Location of Mine: L.S. 10, Sec. 10, Tp. 3, Rge. 11, W. of the 4th Mer.  
 Area: 22½ acres. Character of Coal: Domestic.  
 Thickness of Seam: 3 feet, 9 inches.  
 Thickness of Cover: 50 ft.

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*A. H. McAlpine. (Mine No. 644.)*

Mine Office: Kippenville.  
 Overman: A. H. McAlpine.  
 Mine Surveyor: J. A. H. Church.  
 Location of Mine: L.S. 6, Sec. 1, Tp. 3, Rge. 12, W. of the 4th Mer.  
 Area: 160 acres. Character of Coal: Domestic.  
 Thickness of Seam: 6 feet.  
 Thickness of Cover: 50 feet.

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*Erminio Peruzzo. (Mine No. 650.)*

Mine Office: Beazer.  
 Overman: Erminio Peruzzo.  
 Mine Surveyor: J. A. H. Church.  
 Location of Mine: L.S. 16, Sec. 6, Tp. 2, Rge. 26, West of the 4th Mer.  
 Area: 20 acres. Character of Coal: Domestic.  
 Thickness of Seam: 3 feet.

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*John C. Pacey. (Mine No. 803.)*

Mine Office: Manyberries.  
 Overman: Alma Betts.  
 Mine Surveyor: J. A. H. Church.  
 Location of Mine: L.S. 7, Sec. 24, Tp. 3, Rge. 7, West of the 4th Mer.  
 Area: 20 acres. Character of Coal: Domestic.  
 Thickness of Seam: 3 feet.  
 Thickness of Cover: 20 feet.

*John Finstad & Co. (Mine No. 806.)*  
(Stripping Pit)

Mine Office: Pendant d'Oreille.  
Location of Mine: L.S. 2, Sec. 27, Tp. 2, Rge. 7, West of the 4th Mer.  
Thickness of Seam: 3 feet.  
Thickness of Cover: 12 feet                      Character of Coal: Domestic.

*W. O. Miller. (Mine No. 826.)*

Mine Office: Del Bonita.  
Overman: W. O. Miller.  
Mine Surveyor: J. A. H. Church.  
Location of Mine: L.S. 13, Sec. 28, Tp. 1, Rge. 22, West of the 4th Mer.  
Area: 60 acres.                      Character of Coal: Domestic.  
Thickness of Seam: 5 feet 4 inches.  
Thickness of Cover: Varying from 40 feet to 100 feet.

*Henry Noble. (Mine No. 855.)*

Mine Office: Boundary Creek.  
Overman: Alex. Noble.  
Mine Surveyor: J. A. H. Church.  
Location of Mine: L.S. 11, Sec. 15, Tp. 1, Rge. 26, West of the 4th Mer.  
Area: 40 acres.                      Character of Coal: Domestic.  
Thickness of Seam: 5 feet, 9 inches.

*Bradley & Walters. (Mine No. 881.)*

Mine Office: Lucky Strike.  
Overman: J. J. Bradley.  
Mine Surveyor: J. A. H. Church.  
Location of Mine: L.S. 11, Sec. 10, Tp. 3, Rge. 11, West of the 4th Mer.  
Area: 40 acres.                      Character of Coal: Domestic.  
Thickness of Seam: 4 feet 6 inches.  
Thickness of Cover: 70 feet.

TABER DISTRICT. DISTRICT NO. 6.

*The Canada West Coal Company, Limited. (Mine No. 105.)*

Mine Office: Taber.  
Head Office: Winnipeg, Manitoba.  
Authorized Capital: \$2,400,000.00.  
President: J. S. Hough.  
Vice-President: J. R. Howard.  
Directors: J. S. Hough, F. E. Kenaston, O. A. Robertson, S. H. Bowman, Jr.  
Secretary-Treasurer: J. D. Sinclair.  
General Manager: J. R. Howard.  
Mine Manager: E. S. F. Huntrods.  
Overman: E. Marsh.  
Examiners: J. Head, T. Sneddon, J. Gidman, W. Vickers, J. Knox.  
Mine Surveyor: E. S. F. Huntrods.  
Master Mechanic: W. F. Henry.  
Location of Mine: L.S. 7, Sec. 31, Tp. 9, Rge. 16, W. of the 4th Mer.  
Area: 11,200 acres.                      Character of Coal: Domestic.  
The Belly River seam, which is being worked, has an average thickness of 3 feet 6 inches, with shale roof and pavement.  
The mine is entered by a slope 8 ft. high by 14 ft. wide by 294 ft. in length, pitching 18 degrees, up which the mine cars are hauled by a creeper chain.  
The system of working is room and pillar, coal being undercut by compressed air operated coal-cutting machines of the Puncher type, and electrically operated machines of the Shortwall chain type.  
Haulage is done by means of electrical locomotives of the trolley type on the entries, with horses from the working places.  
The following additions and improvements have been made to the plant:  
One 500 H.P. Watertube boiler, one 325 K.W. A.C. generator, one Keith Fan, belt connected to 40 H.P. D.C. motor, and one air compressor, capacity of 2,000 cubic feet of free air per minute.  
Open lights are used throughout the mine.

*Regal Collieries, Limited. (Mine No. 228.)*

Mine Office: Taber.  
 Head Office: Taber.  
 General Manager: A. Bilteryst.  
 Mine Manager: Emile Leblanc.  
 Overman: Richard Martin.  
 Examiner: D. Miller.

Mine Surveyor: Emile Leblanc.  
 Master Mechanic: W. Duncombe.

Location of Mine: L.S. 8, Sec. 19, Tp. 10, Rge. 16, W. of the 4th Mer.

Area: 780 acres.

Character of Coal: Domestic.

The Belly River seam, which is being worked, has a thickness of 3 ft. 4 inches, with shale roof and pavement, having a cover of 150 ft. in thickness.

System of working is room and pillar in one section of the mine, and Longwall advancing system in the other.

The mine is entered by means of shafts.

The following additions and improvements have been made to the plant:

The shaft has been lined with concrete, a steel tippie erected equipped with Marcus screen, having a capacity of 100 tons per hour, three return tubular boilers 160 H.P. each, one air compressor, one 75 K.W. D.C. generator, one Sirocco type fan, and a spur 4½ miles long has been built, connecting the mine with the Crow's Nest Branch of the C.P.R., also twenty cottages and one wash-house have been built.

Open lights are used throughout the mine.

*Canadian Pacific Railway Company. (Mine No. 132.)*

Mine Office: Taber.

Overman: W. Wallwork.

Location of Mine: L.S. 14, Sec. 7, Tp. 10, Rge. 16, W. of the 4th Mer.

Area: 40 acres.

Character of Coal: Domestic.

Owner of Property: Canadian Pacific Railway Company, Lethbridge.

The coal from this mine is used in connection with the pumping plant, supplying water to the Canadian Pacific Railway water tank at Taber.

*Edward Oliver. (Mine No. 170.)*

Mine Office: Taber.

General Manager: E. Oliver.

Overman: W. R. Hughes.

Mine Surveyor: E. S. F. Huntrods.

Master Mechanic: B. Johnson.

Location of Mine: L.S. 14, Sec. 3, Tp. 10, Rge. 17, W. of the 4th Mer.

Area: 180 acres.

Character of Coal: Domestic.

Owner of Property: The Rock Springs Coal & Brick Co., Ltd., Taber.

Thickness of Seam: 3 feet.

Thickness of Cover: 75 feet.

*Lewis Oliver. (Mine No. 201.)*

Mine Office: Taber.

Overman: Lewis Oliver.

Mine Surveyor: Emile Leblanc.

Location of Mine: L.S. 5, Sec. 18, Tp. 10, Rge. 16, W. of the 4th Mer.

Area: 80 acres.

Character of Coal: Domestic.

Thickness of Seam: 4 feet.

Thickness of Cover: 60 feet.

*Cambrian Coal Company, Limited. (Mine No. 499.)*

Mine Office: Elcan.

Head Office: 715 Centre Street, Calgary, Alberta.

Authorized Capital: \$25,000.00.

President: W. R. Hughes.

Vice-President: J. M. Mathews.

Directors: W. R. Hughes, J. M. Mathews, W. H. Butters, J. J. Mason.

Secretary-Treasurer: W. H. Butters.

Manager: W. R. Hughes.

Mine Surveyor: E. S. F. Huntrods.

Location of Mine: L.S. 2, Sec. 4, Tp. 10, Rge. 17, W. of the 4th Mer.  
 Area: 100 acres. Character of Coal: Domestic.  
 Owner of Property: Independent Coal Company, Taber.  
 Thickness of Seam: 3 feet 4 inches.  
 Thickness of Cover: 80 feet.  
 This mine is temporarily closed.

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*Domestic Coal Company. (Mine No. 669.)*

Mine Office: Taber.  
 Overman: J. Oliver.  
 Mine Surveyor: E. S. F. Huntrods.  
 Location of Mine: L.S. 3, Sec. 1, Tp. 10, Rge. 17, W. of the 4th Mer.  
 Area: 40 acres. Character of Coal: Domestic.  
 Thickness of Seam: 3 feet 6 inches.  
 Thickness of Cover: 90 feet.

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*Mullen & Williams. (Mine No. 702.)*

Mine Office: Elcan.  
 Overman: John Mullen.  
 Mine Surveyor: Luke Lindoe.  
 Location of Mine: L.S. 13, Sec. 3, Tp. 10, Rge. 17, W. of the 4th Mer.  
 Area: 10 acres. Character of Coal: Domestic.  
 Thickness of Seam: 3 feet.  
 Thickness of Cover: 70 feet.

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*United Coal Company. (Mine No. 711.)*

Mine Office: Elcan.  
 Location of Mine: L.S. 8, Sec. 4, Tp. 10, Rge. 17, W. of the 4th Mer.  
 Character of Coal: Domestic.  
 This mine is temporarily closed.

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*E. S. Bowden. (Mine No. 895.)*

Mine Office: Box 211, Taber.  
 Location of Mine: L.S. 8, Sec. 18, Tp. 11, Rge. 16, W. of the 4th Mer.,  
 Character of Coal: Domestic.  
 Stripping pit on banks of river.

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*J. Stainthorpe. (Mine No. 899.)*

Mine Office: Taber.  
 Location of Mine: L.S. 15, Sec. 12, Tp. 10, Rge. 16, W. of the 4th Mer.  
 Area: 16 acres. Character of Coal: Domestic.  
 Thickness of Seam: 4 feet  
 Thickness of Cover: 70 feet.

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*Samuel Dunn & Thomas Causey. (Mine No. 909.)*

Mine Office: Taber.  
 Overman: S. Dunn.  
 Location of Mine: L.S. 11, Sec. 18, Tp. 10, Rge. 16, W. of the 4th Mer.  
 Area: 30 acres. Character of Coal: Domestic.  
 Thickness of Seam: 4 feet.  
 Thickness of Cover: 70 ft.

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BOW ISLAND DISTRICT. DISTRICT No. 7.

*J. J. Mills. (Mine No. 180.)*

Mine Office: Grassy Lake  
 Overman: J. J. Mills.  
 Mine Surveyor: J. A. H. Church.  
 Location of Mine: L.S. 13, Sec. 23, Tp. 9, Rge. 13, W. of the 4th Mer.  
 Area: 120 acres. Character of Coal: Domestic.  
 Thickness of Seam: 5 ft.  
 Thickness of Cover: 30 feet.

*M. Sommodossi. (Mine No. 341.)*

Mine Office: Prospery P.O., Alberta.  
 Overman: Mansuetto Sommodossi.  
 Mine Surveyor: J. A. H. Church.  
 Location of Mine: L.S. 9, Sec. 5, Tp. 8, Rge. 8, W. of the 4th Mer.  
 Area: 20 acres. Character of Coal: Domestic.  
 Thickness of Seam: 2 feet 8 inches.  
 Thickness of Cover: 60 feet.

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*W. Annon & Peter Barr. (Mine No. 358.)*

Mine Office: Winnifred P.O.  
 Overman: W. Annon.  
 Mine Surveyor: J. A. H. Church.  
 Location of Mine: L.S. 12, Sec. 22, Tp. 12, Rge. 10, W. of the 4th Mer.  
 Area: 40 acres. Character of Coal: Domestic.  
 Thickness of Cover: 150 feet.  
 (Mine Abandoned.)

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*George S. Gibson & Son. (Mine No. 377.)*

Mine Office: Grassy Lake.  
 Overman: G. S. Gibson.  
 Mine Surveyor: J. A. H. Church.  
 Location of Mine: L.S. 4, Sec. 25, Tp. 9, Rge. 13, W. of the 4th Mer.  
 Area: 40 acres. Character of Coal: Domestic.  
 Thickness of Seam: 5 feet 3 inches.  
 Thickness of Cover: 50 feet.

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*Joe Santoni. (Mine No. 448.)*

Mine Office: Bow Island.  
 Overman: Joe Santoni.  
 Mine Surveyor: J. A. H. Church.  
 Location of Mine: L.S. 7, Sec. 36, Tp. 11, Rge. 11, W. of the 4th Mer.  
 Area: 40 acres. Character of Coal: Domestic.  
 Thickness of Cover: 120 ft.

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*Dominic Annon. (Mine No. 672.)*

Mine Office: Winnifred P.O., Alta.  
 Overman: Dominic Annon.  
 Mine Surveyor: J. A. H. Church.  
 Location of Mine: L.S. 3, Sec. 27, Tp. 12, Rge. 10, W. of the 4th Mer.  
 Area: 40 acres. Character of Coal: Domestic.  
 Thickness of Seam: 5 feet 8 inches.  
 Thickness of Cover: 160 feet.

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*Alfred Jackson. (Mine No. 691.)*

Mine Office: Grassy Lake.  
 Overman: Alfred Jackson.  
 Mine Surveyor: J. A. H. Church.  
 Location of Mine: L.S. 15, Sec. 23, Tp. 9, Rge. 13, W. of the 4th Mer.  
 Area: 40 acres. Character of Coal: Domestic.  
 Thickness of Seam: 5 feet.  
 Thickness of Cover: 30 feet.

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*Samuel B. Breeding. (Mine No. 732.)*

Mine Office: Maleb P.O., Alberta.  
 Overman: Samuel B. Breeding.  
 Mine Surveyor: J. A. H. Church.  
 Location of Mine: L.S. 13, Sec. 6, Tp. 8, Rge. 10, W. of the 4th Mer.  
 Area: 20 acres. Character of Coal: Domestic.  
 Thickness of Seam: 3 ft. 6 inches.  
 Thickness of Cover: 40 feet.



*Jules Lavenne. (Mine No. 751.)*

Mine Office: Winnifred P.O.  
 Overman: Jules Lavenne.  
 Mine Surveyor: J. A. H. Church.  
 Location of Mine: L.S. 2, Sec. 27, Tp. 12, Rge. 10, W. of the 4th Mer.  
 Area: 60 acres. Character of Coal: Domestic.  
 Thickness of Seam: 5 feet 8 inches.  
 Thickness of Cover: 200 feet.

*John Roth. (Mine No. 794.)*

Mine Office: Etzikom P.O.  
 Overman: Vittorio Carriani.  
 Mine Surveyor: J. A. H. Church.  
 Location of Mine: L.S. 6, Sec. 10, Tp. 7, Rge. 9, W. of the 4th Mer.  
 Area: 20 acres. Character of Coal: Domestic.  
 Thickness of Seam: 2 feet 6 inches.  
 Thickness of Cover: 100 feet.

*John Fodor. (Mine No. 944.)*

Mine Office: Etzikom.  
 Overman: John Fodor.  
 Location of Mine: L.S. 16, Sec. 10, Tp. 7, Rge. 9, W. of the 4th Mer.  
 Area: 20 acres.  
 Thickness of Seam: 2 feet 6 inches.  
 Thickness of Cover: 100 feet.

*W. H. Perry. (Mine No. 934.)*

Mine Office: Burdett.  
 Location of Mine: L.S. 10, Sec. 26, Tp. 11, Rge. 11, W. of the 4th Mer.  
 Prospecting work only.

## MEDICINE HAT DISTRICT. DISTRICT NO. 8.

*Redcliff Brick & Coal Company, Limited.*

Mine Office: Redcliff.  
 Head Office: Minneapolis, Minn., U.S.A.  
 Authorized Capital: \$900,000.00.  
 Vice-President: F. H. Peterson.  
 Directors: C. H. Kobler, W. P. Christian, S. H. Williams, F. H. Peterson,  
 H. N. Owen, H. M. Leighton, E. Hoidale, E. A. Sellhorn, A. B. Cutts,  
 M. J. Gunderson, J. S. McLean.  
 Secretary: S. H. Williams.  
 Treasurer: E. Hoidale.  
 General Manager: E. H. Sellhorn.  
 Mine Surveyor: Gordon L. Kidd.  
 Location of Mine: L.S. 14, Sec. 5, Tp. 13, Rge. 6, W. of the 4th Mer.  
 Area: 10,083 acres. Character of Coal: Domestic.  
 Owner of Property: Redcliff Brick & Coal Company, Limited.  
 (Mine No. 165.)—Coal Mine.

Overman: J. M. Stratton.

The seam being worked has a thickness of 4 feet 8 inches, with shale roof and pavement, the cover being 270 feet.

Room and pillar system of working is adopted, the coal being undercut by compressed air machines of the Puncher type.

The plant has a capacity of 200 tons per day.

Open lights are used throughout the mine.

(Mine No. 765.)—Shale Mine.

Overman: J. M. Stratton.

A seam of shale 9 feet thick is being worked at this mine, the product being utilized for the manufacturing of bricks.

The plant has a capacity of 150 tons of shale per day.

*Ross Clay Products Company, Limited. (Mine No. 332.)—Shale Mine.*

Location of Mine: N.W.  $\frac{1}{4}$ , Sec. 9, Tp. 13, Rge. 6, W. of the 4th Mer.

This is a stripping pit, where 18 feet of dirt is removed to uncover a seam of shale 14 ft. thick.

No work has been done at this mine during the year.

*Redcliff Pressed Brick Company, Limited. (Mine No. 379.)*  
*Shale Mine*

Mine Office: Redcliff.  
 Head Office: Redcliff.  
 Authorized Capital: \$150,000.00.  
 Vice-President: James Mitchell.  
 Directors: James Hargreaves, A. W. Woodcock, James Mitchell, H. G. Sheasby, Dr. J. C. Hargreave, H. J. Sissons.  
 Secretary-Treasurer: Herbert J. Sissons.  
 General Manager: Herbert J. Sissons.  
 Mine Surveyor: Gordon L. Kidd.  
 Location of Mine: L.S. 5, Sec. 9, Tp. 13, Rge. 6, W. of the 4th Mer.  
 Area: 80 acres. Character of Coal: Domestic.

This mine is worked for producing shale, which is used in the brick plant, the seam is 14 ft. in thickness, with 18 ft. of cover.

*J. T. Littleford. (Mine No. 602.)*

Mine Office: Little Plume.  
 Overman: John Burns.  
 Mine Surveyor: Gordon L. Kidd.  
 Location of Mine: L.S. 11, Sec. 2, Tp. 9, Rge. 5, W. of the 4th Mer.  
 Area: 20 acres. Character of Coal: Domestic.  
 Thickness of Seam: 6 feet.

*George Bragdich. (Mine No. 689.)*

Mine Office: Thelma.  
 Overman: G. Bragdich.  
 Mine Surveyor: G. L. Kidd.  
 Location of Mine: L.S. 5, Sec. 18, Tp. 7, Rge. 2, W. of the 4th Mer.  
 Area: 20 acres. Character of Coal: Domestic.  
 Thickness of Seam: 10 feet.  
 Thickness of Cover: Varying from 5 feet to 20 feet.

*Fred Rataushk. (Mine No. 718.)*

Mine Office: Eagle Butte.  
 Overman: Fred Rataushk.  
 Mine Surveyor: G. L. Kidd.  
 Location of Mine: L.S. 15, Sec. 28, Tp. 8, Rge. 4, W. of the 4th Mer.  
 Area: 40 acres. Character of Coal: Domestic.

*John Oliphant. (Mine No. 772.)*

Mine Office: 559 1st Street, Medicine Hat.  
 Overman: John Oliphant.  
 Mine Surveyor: G. L. Kidd.  
 Location of Mine: L.S. 2, Sec. 5, Tp. 13, Rge. 6, W. of the 4th Mer.  
 Area: 1,440 acres. Character of Coal: Domestic.  
 Owner of Property: Ajax Coal & Mining Company, Ltd., Medicine Hat.  
 The seam being worked has a thickness of 6 feet, with shale roof and pavement, the cover being 270 feet in thickness.  
 This mine is located on the south bank of the South Saskatchewan River, 7 miles west of Medicine Hat, and is entered through a drift driven in from the outcrop.  
 The method of working is room and pillar, the coal being undercut by electrically operated coal-cutting machines of the chain type.  
 Electrical power is purchased from the City of Medicine Hat.  
 A railway spur 7 miles in length connects the mine with the Canadian Pacific Railway, main line.

*Harry Last. (Mine No. 903.)*

Mine Office: Elkwater.  
 Overman: John Hart.  
 Mine Surveyor: Gordon L. Kidd.  
 Location of Mine: L.S. 16, Sec. 23, Tp. 8, Rge. 3, W. of the 4th Mer.  
 Area: 20 acres. Character of Coal: Domestic.

*Shaw, David & Taylor. (Mine No. 838.)*

Mine Office: Suffield.  
Overman: Fred Whittlesea.  
Location of Mine: L.S. 7, Sec. 28, Tp. 12, Rge. 10, W. of the 4th Mer.  
Area: 120 acres. Character of Coal: Domestic.  
Thickness of Seam: 4 feet 2 inches.  
Thickness of Cover: 120 ft.

*Jacob J. Schock. (Mine No. 925.)*

Mine Office: Thelma.  
Overman: Floria Domitrescu.  
Location of Mine: L.S. 16, Sec. 12, Tp. 7, Rge. 3, W. of the 4th Mer.  
Area: 40 acres. Character of Coal: Domestic.  
Thickness of Seam: 6 ft.  
Thickness of Cover: 150 feet.

*Aaron Smith & D. Turner. (Mine No. 936.)*

Mine Office: Suffield.  
Overman: Aaron Smith.  
Location of Mine: L.S. 1, Sec. 29, Tp. 12, Rge. 10, W. of the 4th Mer.  
Area: 20 acres. Character of Coal: Domestic.  
Thickness of Seam: 2 feet.  
Thickness of Cover: 90 ft.

## ALDERSYDE DISTRICT.—DISTRICT NO. 9.

*George Rhodes. (Mine No. 136.)*

Mine Office: Long Coulee.  
Overman: George Rhodes.  
Mine Surveyor: J. A. H. Church.  
Location of Mine: L.S. 7, Sec. 8, Tp. 15, Rge. 22, W. of the 4th Mer.  
Area: 10 acres. Character of Coal: Domestic.  
Thickness of Seam: 3 feet.  
Thickness of Cover: 80 feet.

*Charles Farrell. (Mine No. 151.)*

Mine Office: Reid Hill.  
Overman: Charles Farrell.  
Mine Surveyor: J. A. H. Church.  
Location of Mine: L.S. 15, Sec. 24, Tp. 16, Rge. 23, W. of the 4th Mer.  
Area: 80 acres. Character of Coal: Domestic.  
Thickness of Seam: 2 feet.  
Thickness of Cover: 30 feet.

*Isaac Bennett. (Mine No. 224.)*

Mine Office: Armada.  
Overman: Isaac Bennett.  
Location of Mine: L.S. 16, Sec. 29, Tp. 16, Rge. 21, W. of the 4th Mer.  
Area: 20 acres. Character of Coal: Domestic.  
Thickness of Seam: 2 feet 6 inches.  
Thickness of Cover: 30 feet.

*J. W. Ashmore. (Mine No. 296.)*

Mine Office: Champion.  
Overman: J. W. Ashmore.  
Mine Surveyor: J. A. H. Church.  
Location of Mine: L.S. 1, Sec. 8, Tp. 16, Rge. 23, W. of the 4th Mer.  
Area: 40 acres. Character of Coal: Domestic.  
Thickness of Seam: 4 feet.  
Thickness of Cover: 40 feet.

*Marguerita Blusson. (Mine No. 476.)*

Overman: Frank Howard.  
Mine Surveyor: J. A. H. Church.  
Location of Mine: L.S. 9, Sec. 33, Tp. 15, Rge. 23, W. of the 4th Mer.  
Area: 80 acres. Character of Coal: Domestic.  
Thickness of Seam: 4 feet 6 inches.  
Thickness of Cover: 35 feet.

*Evan Munton. (Mine No. 685.)*

Mine Office: Long Coulee.  
 Overman: Evan Munton.  
 Mine Surveyor: J. A. H. Church.  
 Location of Mine: L.S. 4, Sec. 17, Tp. 15, Rge. 21, W. of the 4th Mer.  
 Area: 40 acres. Character of Coal: Domestic.  
 Thickness of Seam: 3 feet 6 inches.  
 Thickness of Cover: 75 feet.

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*Ira E. Watkins. (Mine No. 739.)*

Mine Office: Champion.  
 Overman: W. E. Watkins.  
 Mine Surveyor: J. A. H. Church.  
 Location of Mine: L.S. 4, Sec. 9, Tp. 16, Rge. 23, W. of the 4th Mer.  
 Area: 40 acres. Character of Coal: Domestic.  
 Thickness of Seam: 4 feet.

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*Alec Fraser. (Mine No. 758.)*

Mine Office: Carmangay.  
 Overman: Alec Fraser.  
 Mine Surveyor: A. W. Baxter.  
 Location of Mine: L.S. 14, Sec. 25, Tp. 14, Rge. 22, W. of the 4th Mer.  
 Area: 40 acres. Character of Coal: Domestic.  
 Thickness of Seam: 2 feet 3 inches.  
 Thickness of Cover: 85 feet.

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*Henry Farrar. (Mine No. 777.)*

Mine Office: Lomond.  
 Overman: Henry Farrar.  
 Mine Surveyor: J. A. H. Church.  
 Location of Mine: L.S. 9, Sec. 28, Tp. 15, Rge. 21, W. of the 4th Mer.  
 Area: 20 acres. Character of Coal: Domestic.  
 Thickness of Seam: 3 feet.  
 Thickness of Cover: 20 feet.

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*James Ellis. (Mine No. 910.)*

Overman: James Ellis.  
 Mine Surveyor: J. A. H. Church.  
 Location of Mine: L.S. 1, Sec. 4, Tp. 16, Rge. 23, W. of the 4th Mer.  
 Area: 40 acres. Character of Coal: Domestic.

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*H. McNaughton. (Mine No. 929.)*

Mine Office: Champion.  
 Overman: H. McNaughton.  
 Location of Mine: L.S. 1, Sec. 4, Tp. 16, Rge. 21, W. of the 4th Mer.  
 Area: 20 acres. Character of Coal: Domestic.  
 Thickness of Seam: 3 feet.  
 Thickness of Cover: 30 feet.

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## HIGH RIVER DISTRICT.—DISTRICT NO. 10.

*A. D. McPherson. (Mine No. 30.)*

Mine Office: Black Diamond.  
 Overman: P. Barkovich.  
 Location of Mine: L.S. 13, Sec. 8, Tp. 20, Rge. 2, W. of the 5th Mer.  
 Area: 240 acres. Character of Coal: Domestic.  
 Thickness of Seam: 8 feet.

*Du Rocherville Mining Company, Limited. (Mine No. 735.)*

Mine Office: Nanton.  
 Head Office: Nanton.  
 Authorized Capital: \$600,000.00.  
 President: Francis Du Rocher.  
 Directors: Francis Du Rocher, T. H. Bartholomew, A. B. McRae.  
 Secretary: T. H. Bartholomew.  
 Treasurer: Francis Du Rocher.  
 Overman: Francis Du Rocher.  
 Location of Mine: Sec. 4, Tp. 15, Rge. 3, W. of the 5th Mer.  
 Area: 230 acres. Character of Coal: Bituminous.  
 The seam being worked has a thickness of from 2 to 8 ft., with hard sandstone roof and pavement, pitching 70 degrees in a south-westerly direction.  
 The mine produces 20 tons of coal per day, which is disposed of locally.

*David B. Blacklock. (Mine No. 736.)*

Mine Office: Black Diamond.  
 Overman: David B. Blacklock.  
 Mine Surveyor: Gordon L. Kidd.  
 Location of Mine: L.S. 8, Sec. 2, Tp. 20, Rge. 3, W. of the 5th Mer.  
 Area: 200 acres. Character of Coal: Domestic.  
 Thickness of Seam: 4 feet, 6 inches.  
 Thickness of Cover: 50 feet.

*Edward Little. (Mine No. 858.)*

Mine Office: Longview.  
 Overman: Edward Little.  
 Location of Mine: L.S. 1, Sec. 9, Tp. 18, Rge. 2, W. of the 5th Mer.  
 Area: 40 acres. Character of Coal: Domestic.  
 Thickness of Seam: 6 feet.

*W. M. Connacher. (Mine No. 916.)*

Mine Office: Priddis.  
 Head Office: 211 8th Avenue West, Calgary, Alberta.  
 Overman: Laughlin MacMillan.  
 Location of Mine: N.W.  $\frac{1}{4}$  Sec. 20, Tp. 22, Rge. 3, W. of the 5th Mer.  
 Area: 160 acres. Character of Coal: Domestic.  
 Thickness of Seam: 2 feet.  
 Thickness of Cover: 80 feet.

*J. E. Chronister & Brown. (Mine No. 924.)*

Mine Office: High River.  
 Overman: James Edward Chronister.  
 Location of Mine: L.S. 14, Sec. 8, Tp. 18, Rge. 2, W. of the 5th Mer.  
 Area: 40 acres. Character of Coal: Domestic.

## CANMORE DISTRICT.—DISTRICT NO. 11.

*Canmore Coal Company, Limited. (Mine No. 2.)*

Mine Office: Canmore.  
 Head Office: Minersville, Pa.  
 Authorized Capital: \$50,000.00.  
 President: James B. Neale.  
 Directors: James B. Neale, S. B. Thorne, J. G. Thorp, Dr. Hayes, B. F. Crane, A. Stewart.  
 General Manager: M. B. Morrow.  
 Manager: William Musgrove.  
 Overman: W. G. Wilson, Stewart Seam.  
 Overman: James Hill, Carey Seam.  
 Examiners: Charles Fowers, D. Thompson, C. Briggs, A. Basso, R. Grant, James Reid, J. White, P. M. Ramsay, M. Warren, P. Hutchison.  
 Mine Surveyor: J. B. Elliott.  
 Master Mechanic: H. Evans.  
 Location of Mine: Sec. 29, Tp. 24, Rge. 10, W. of the 4th Mer.  
 Area: 7,000 acres. Character of Coal: Bituminous.  
 There are two seams being worked at present at this mine, the Stewart having a thickness of from 5 to 10 feet, with sandstone roof and pavement, and the Carey

having a thickness of 7 feet, with sandstone roof and shale pavement, the strata pitching from 5 degrees to vertical.

The mine is entered by means of a slope 6 feet high by 16 feet wide, on an inclination of 12 degrees, driven in the coal from the outcrop.

The system of working is room and pillar, across the pitch.

In the Stewart seam jig-ways are driven to the rise, with rooms to right and left, cars being handled from the rooms by means of compressed air hoists located on the gangway.

The following improvements and additions have been made to the plant:

A fire-proof lamp house, 250 mine cars, two 150 H.P. steam boilers and one air compressor. Three rock tunnels have been driven from the Stewart to the Carey and Morris seams. A number of houses have been built for workmen and officials.

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*P. Burns Coal Mines Limited. (Mine No. 786.)*

Mine Office: Calgary.

Head Office: Box 380, Calgary.

President: Pat Burns.

Vice-President: John Burns.

Secretary: Wilfred E. Corlett.

Manager: John Brown.

Overman: Dan Brisco.

Mine Surveyor: J. Brown.

Location of Mine: L.S. 3, Sec. 14, Tp. 19, Rge. 7, W. of the 5th Mer.

Area: 3,000 acres.

Character of Coal: Bituminous.

The work at this mine consists of driving a rock tunnel, cross-cutting various seams.

There being no railway connection, the mine is at present closed.

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BANFF DISTRICT.—DISTRICT NO. 12.

*Department of Natural Resources (Canadian Pacific Railway Company)*

*Bankhead Mines. (Mine No. 80.)*

Mine Office: Bankhead.

Head Office: Montreal, Quebec.

President: E. W. Beatty.

Vice-President: Grant Hall.

Directors: A. B. Angus, E. W. Beatty, Hon. Frederick L. Beique, Sir John C. Eaton, Grant Hall, Sir Herbert S. Holt, C. R. Hosmer, Col. Frank S. Meighen, Sir Vincent Meredith, Sir Augustus M. Nanton, Sir Edmund B. Osler, J. K. L. Ross, Hon. Lord Shaughnessy, Hon. Wm. J. Shaughnessy, Sir Thomas Skinner.

Secretary: Ernest Alexander.

Treasurer: H. E. Suckling.

General Manager: P. L. Naismith.

General Superintendent: Lewis Stockett. Superintendent: D. G. Wilson.

Mine Manager: John Watters.

Overman: Thomas Bastian.

Mine Surveyor: E. Wright.

Examiners: J. Littler, R. Littler, A. P. Hastings, R. Oakes, J. A. Painter.

Master Mechanic: T. White.

Location of Mine: Sec. 19, Tp. 26, Rge. 11, W. of the 4th Mer.

Area: 10,900 acres.

Character of Coal: Anthracite.

Owner of Property: Canadian Pacific Railway, Dept. of Nat. Resources, Calgary, Alberta.

There are four seams being worked at this mine, the No. 1, No. 2, No. 5, and 04, each having sandstone roof and pavement, the dip of the strata being 50 degrees in a westerly direction.

The mine is located at Bankhead, near Banff, and is entered by a series of drifts driven in at different elevations. The coal from the different levels is lowered over surface inclines, from "C" to "B" level, being 2,900 feet long, and from "B" to "A" 2,200 feet. The "B" level hoist is electrically operated, and "C" level hoist is operated by compressed air. Considerable cross-cutting has been done at this mine between the several seams at the different levels.

Haulage on the different levels is done by compressed air locomotives.

The capacity of the plant is 800 tons of coal per day.

Safety lamps of the Wolf Flame type are in use throughout the mine.

*Eldon Mining Company, Limited. (Mine No. 618.)*  
*(Copper Ore Mine.)*

Mine Office: Eldon.  
 Head Office: 205-8 Dominion Bank Bldg., Calgary.  
 Prospecting work only being done during the year.

DRUMHELLER DISTRICT.—DISTRICT NO. 13.

*Joe Medloski. (Mine No. 299.)*

Mine Office: Rosebud.  
 Overman: Joe Medloski.  
 Mine Surveyor: G. L. Kidd.  
 Location of Mine: S.W.  $\frac{1}{4}$  Sec. 29, Tp. 26, Rge. 21, W. of the 4th Mer.  
 Area: 160 acres. Character of Coal: Domestic.  
 Thickness of Seam: 3 feet 3 inches.  
 Thickness of Cover: 50 feet.

*Newcastle Coal Company, Limited. (Mine No. 317.)*

Mine Office: Drumheller.  
 Head Office: Drumheller.  
 Authorized Capital: \$250,000.00.  
 President: Jesse Gouge.  
 Vice-President: Wilson Gouge.  
 Secretary: G. M. Coyle.  
 Manager: D. A. Macaulay.  
 Overman: John Conlin.  
 Mine Surveyor: D. A. Macaulay.  
 Examiner: John Eno.  
 Location of Mine: S.E.  $\frac{1}{4}$  Sec. 9, Tp. 29, Rge. 20, W. of the 4th Mer.  
 Area: 400 acres. Character of Coal: Domestic.  
 Owner of Property: Newcastle Coal Co., Ltd.

The No. 5 seam which is being worked at this mine has an average thickness of 4 ft., with shale roof and clay pavement, the strata is practically level, the cover varying from 30 ft. to 300 ft. in thickness.

The mine is located near Drumheller, and is entered by means of a short slope driven on an inclination of 20 degrees.

The room and pillar system of working has been adopted, coal being mined by electrically operated coal-cutting machines of the chain type.

The plant has a capacity of 850 tons per day, mine cars holding 2,000 lbs.

Open lights are used throughout the mine.

The following improvements have been made to the plant:

One return tubular boiler, one electrically operated coal-cutting machine of the Over-cutting type.

*Rosedale Coal Company, Limited. (Mine No. 346.)*

Mine Office: Rosedale.  
 Head Office: 43 Victoria St., Toronto, Ont.  
 Authorized Capital: \$1,500,000.00.  
 President: R. G. Thompson.  
 Vice-President: W. C. Robertson.  
 Secretary: H. S. Gausby.  
 Superintendent: W. A. Davidson.  
 Mine Manager: T. O'Donnell.  
 Mine Surveyor: T. O'Donnell.  
 Master Mechanic: A. Grant.  
 Location of Mine: L.S. 14, Sec. 28, Tp. 28, Rge. 19, W. of the 4th Mer.  
 Area: 14,000 acres. Character of Coal: Domestic.  
 Owner of Property: Rosedale Coal Company, Ltd.

The No. 1 seam which is being worked at this mine, has a thickness of 8 ft. 6 inches, with shaly sandstone roof and shaly pavement, the cover having a thickness of from 38 to 350 ft., the upper 4½ ft. of the seam being the only portion worked.

The mine is located at Rosedale, and is entered by shafts.

The system of working is room and pillar, the coal being under-cut by means of electrically operated coal-cutting machines of the chain type.

Open lights are used throughout the mine.

The following additions and improvements have been made to the mine:

One steel tippie equipped with a Marcus screen, having a capacity of 1,000 tons in 8 hours, three locomotive type boilers 125 H.P. each, one high speed direct connected 160 K.W. D.C. generator and one high speed engine direct connected to a 65 K.W. D.C. generator.

*The Rose Deer Coal Mining Company, Limited. (Mine No. 347.)*

Mine Office: Wayne.  
 Head Office: 229 Eighth Ave. West, Calgary, Alberta.  
 Authorized Capital: \$1,000,000.00.  
 President: Alex. Smith.  
 Secretary-Treasurer: L. A. Tupper.  
 Directors: G. V. Tupper, L. A. Tupper, W. S. Tupper.  
 General Manager: Geo. V. Tupper.  
 Manager: Peter Allen.  
 Overman: D. Redpath.  
 Examiner: Wm. Fyfe.  
 Mine Surveyor: Peter Allen.  
 Location of Mine: L.S. 13, Sec. 7, Tp. 28, Rge. 19, W. of the 4th Mer.  
 Area: 6,000 acres. Character of Coal: Domestic.  
 Owner of Property: Rose Deer Coal Mining Company, Ltd.

The No. 1 seam which is being worked at this mine, has a thickness of 7 ft., with shale roof and clay pavement, the cover having a thickness of 350 ft.

The mine is entered by means of a slope, up which the coal is hoisted to the tippie by means of a steam operated hoist.

The room and pillar system of working is adopted, mining being done in the clay by means of electrically operated coal-cutting machines of the Arcwall type, cutting the clay band in the centre of the seam.

Open lights are used throughout the mine.

The following improvements have been made to the plant:

Two water tube boilers, 205 H.P. each, equipped with chain grates and stokers, one high speed direct engine connected to a 275 K.W. A.C. 3 phase, 60 cycle, 2,300 volts generator. The current for use in the mine is transformed through step down transformer to 220 volts.

*Callie Coal Company, Limited. (Mine No. 349.)*

Mine Office: Drumheller.  
 Authorized Capital: \$150,000.00.  
 President: A. N. Walker.  
 Vice-President: A. R. Coleman.  
 Secretary-Treasurer: W. F. Skinner.  
 Directors: A. N. Walker, A. R. Coleman, W. F. Skinner, A. G. Thompson, Francis Aspinall.  
 General Manager: A. N. Walker.  
 Manager: Harry Crowder.  
 Overman: W. A. Briggs.  
 Examiner: W. Marsh.  
 Location of Mine: L.S. 14, Sec. 2, Tp. 29, Rge. 20, W. of the 4th Mer.  
 Area: 596 acres. Character of Coal: Domestic.

The No. 1 seam which is being worked at this mine, has a thickness of 8 ft., the upper 4½ feet only being worked; the lower portion consists of clay and bone coal. The roof is shale, with clay pavement, the cover being from 80 to 250 feet in thickness.

The mine is located at Drumheller, and is entered by a slope 240 ft. long, on an inclination of 19 degrees.

The room and pillar system of working is adopted, coal being mined by electrically operated coal-cutting machines of the Arcwall type.

The plant has a capacity of 500 tons per day, the mine cars holding 2,000 lbs.

Safety lamps of the Wolf Flame type are used by the miners and officials, the haulage crew being supplied with cap lamps of the Edison electric type

*Midland Collieries, Limited. (Mine No. 367.)*

Mine Office: Drumheller.  
 Authorized Capital: \$300,000.00.  
 President: T. G. McMullen.  
 Directors: T. G. McMullen, S. L. McMullen, J. R. McMullen, C. B. McMullen.  
 Secretary-Treasurer: James McMurray.  
 General Manager: S. L. McMullen.  
 Manager: Francis Aspinall.  
 Overman: James Darbyshire.  
 Examiners: A. Wilson, G. Clarke.  
 Mine Surveyor: Francis Aspinall.  
 Location of Mine: N.E. ¼ Sec. 9, Tp. 29, Rge. 28, W. of the 4th Mer.  
 Area: 1,240 acres. Character of Coal: Domestic.  
 Owner of Property: Midland Collieries, Ltd.



The No. 1 seam which is being worked at this mine has a thickness of 6 feet, with shaly sandstone roof, and clay pavement, the cover being 250 feet in thickness.

The mine is entered by a slope 380 feet long, on an inclination of 19 degrees.

The system of working is room and pillar, coal being undercut by compressed air operated coal-cutting machines of the Radial Post type.

Safety lamps of the Wolf Flame type are in use throughout the mine.

*North American Collieries, Limited. (Mine No. 402.)*

Mine Office: Nacmine.

Head Office: 904 Lancaster Building, Calgary.

Authorized Capital: \$1,000,000.00.

President: H. A. Lovett, K.C.

Vice-President: Hugh Mackay, K.C.

Directors: N. Curry, H. A. Lovett, K.C., P. W. Herrick, R. M. Ballantyne,

J. W. Pyke, T. M. Mackie.

Secretary-Treasurer: W. W. Berridge.

General Manager: W. J. Dick.

Manager: Joseph B. De Hart.

Overman: A. Crawford.

Examiners: Ed. Richards, R. Muir, R. Graham, T. Coxon, J. Cotterill,

T. Campbell, B. Nugent.

Location of Mine: On road allowance on East side of Sec. 7, Tp. 29, Rge. 20, W. of the 4th Mer.

Area: 3,500 acres.

Character of Coal: Domestic.

Owner of Property: North American Collieries, Limited.

The No. 1 seam which is being worked at this mine has a thickness of 5 ft. 6 in. with shaly sandstone roof and clay pavement, the cover being from 200 to 400 ft. in thickness.

The mine is entered by shafts 200 ft. deep.

The system of working is room and pillar, the coal being under-cut by means of compressed air machines of the Puncher type.

Safety lamps are used throughout the mine by miners and officials, cap lamps of the Edison Electric type being used by the haulage employees.

*Great West Coal Company, Limited. (Mine No. 436.)*

Mine Office: Aerial.

Head Office: Brandon, Man.

Authorized Capital: \$50,000.00.

President: J. R. Brodie.

Vice-President: G. G. Gibson

Directors: J. R. Brodie, G. G. Gibson, Mabel Brodie.

Secretary-Treasurer: G. G. Gibson.

Manager: J. D. Thomas.

Overman: D. Picton.

Examiner: J. Molyneux.

Mine Surveyor: J. D. Thomas.

Location of Mine: L.S. 7, Sec. 28, Tp. 28, Rge. 19, W. of the 4th Mer.

Area: 240 acres.

Character of Coal: Domestic.

Owner of Property: Great West Coal Company, Limited.

The No. 1 seam which is being worked has a thickness of 6 ft., with shaly sandstone roof, and clay pavement, the coal outcropping on the banks of the Red Deer river 30 ft. above the water; the cover above the seam has a thickness of 20 to 320 ft.

The mine is entered by means of drifts driven in from the outcropping on the east bank of the river. The tippie is located on the west bank of the river, to which the loaded mine cars, after being lifted off the trucks, are taken by means of an aerial tramway.

The room and pillar system of working is adopted. No coal-cutting machines have been installed.

Open lights are in use throughout the mine.

*Premier Coal Company, Limited. (Mine No. 439.)*

Mine Office: Drumheller.

Authorized Capital: \$50,000.00.

President: A. H. Gibson.

Secretary-Treasurer: G. N. Strong.

General Manager: J. K. Miller.

Overman: E. Reid.

Examiner: S. Henderson.

Mine Surveyor: G. L. Kidd.

Location of Mine: L.S. 3, Sec. 10, Tp. 29, Rge. 20, W. of the 4th Mer.

Area: 160 acres.

Character of Coal: Domestic

The No. 5 seam which is being worked at this mine, has a thickness of 4 ft. 6 inches, with sandstone roof and clay pavement, the cover being from 30 to 100 ft. thick.

The mine is entered by means of a slope 65 ft. long on an inclination of 15 degrees.

The system of working is room and pillar, coal being undercut by electrically operated coal-cutting machines of the Chain type.

The plant has a capacity of 200 tons per day, mine cars holding 2,000 lbs.

Open lights are used throughout the mine.

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*Burton Thomas Brooks. (Mine No. 464.)*

Mine Office: Drumheller.

Overman: B. T. Brooks.

Mine Surveyor: G. L. Kidd.

Location of Mine: L.S. 4, Sec. 23, Tp. 29, Rge. 20, W. of the 4th Mer.

Area: 100 acres.

Character of Coal: Domestic.

The No. 7 seam which is being worked at this mine has the following section: Top coal 18 inches, bone 18 inches, bottom coal 32 inches with clay roof and pavement, the cover being from 45 to 200 ft. in thickness.

The mine is located in Fox Coulee,  $3\frac{1}{2}$  miles north-east of Drumheller, and is entered by drifts.

The system of working is room and pillar.

The output is disposed of to the settlers in the vicinity, there being no railway connection.

Open lights are in use throughout the mine.

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*Alberta Block Coal Company, Limited. (Mine No. 620.)*

Mine Office: Drumheller.

Authorized Capital: \$200,000.00.

President: G. N. Coyle.

Vice-President: Wilson Gouge.

Secretary: Jesse Gouge.

Mine Manager: D. A. Macaulay.

Overman: T. E. Moore.

Examiners: C. Chapman, A. J. Briggs.

Mine Surveyor: D. A. Macaulay.

Master Mechanic: J. A. Drummond.

Location of Mine: N.W.  $\frac{1}{4}$  Sec. 3, Tp. 29, Rge. 20, W. of the 4th Mer.

Area: 300 acres.

Character of Coal: Domestic.

Owner of Property: Alberta Block Coal Company, Limited.

The No. 5 seam being worked at this mine has a thickness of 4 feet 8 inches, with sandstone roof and fireclay pavement, the cover being from 35 to 300 ft. in thickness.

The mine is entered by means of shafts.

Room and pillar system of working is adopted, the coal being undercut by electrically operated coal-cutting machines of the chain type.

Telephone service has been installed in the different districts of the mine connecting with the office and the surface.

The plant has a capacity of 800 tons per day, the mine cars holding 2,000 lbs.

The plant consists of three return tubular boilers, 150 H.P. each, two electric generators of 150 H.P. and 300 K.W.

Electric power is supplied from the power house at this mine to the Newcastle and Newcastle Junior Mines.

Open lights are used throughout the mine.

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*Western Commercial Company, Limited. (Mine No. 640.)*

Mine Office: Wayne.

Authorized Capital: \$1,500,000.00.

President: Vital Raby.

Secretary-Treasurer: P. Laurendeau.

Directors: T. H. Lancaster, W. Law, D. J. Lucy, R. Bessa, Jos. Raby.

Manager: H. R. Brown.

Overman: D. Roberts.

Examiners: A. Wilson, P. Hetherington.

Mine Surveyor: H. R. Brown.

Location of Mine: S.E.  $\frac{1}{4}$  Sec. 7, Tp. 28, Rge. 19, W. of the 4th Mer.

Area: 3,000 acres.

Character of Coal: Domestic.

Owner of Property: Western Commercial Company, Limited.

The No. 1 seam which is being worked has the following section: Cap rock 3 inches, bone 10 inches, coal 32 inches, bone 5 inches, coal 6 inches, clay 6 inches, coal

6 inches, bone 8 inches, coal 24 inches, with shale roof and clay pavement, the cover being 250 ft. thick.

The mine is located at Wayne, and is entered by a slope 91 ft. long, on an inclination of 15 degrees.

The system of working is room and pillar, the coal being under-cut by compressed air operated coal-cutting machines of the Radial Post type.

The plant has a capacity of 800 tons per day, the mine cars holding 2,400 lbs.

Open lights are used throughout the mine.

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*Jewell Collieries Limited. (Mine No. 643.)*

Authorized Capital: \$250,000.00.

Mine Office: Wayne.

Head Office: 227 8th Ave. West, Calgary.

President: W. S. Henderson.

Directors: W. S. Henderson, W. S. Taylor.

Secretary-Treasurer: Pat H. Purcell.

Mine Manager: A. Higgins.

Mine Surveyor: A. Higgins.

Fire Boss: G. Cowan.

Location of Mine: S.E.  $\frac{1}{4}$  Sec. 7, Tp. 28, Rge. 19, W. of the 4th Mer.

Area: 485 acres.

Character of Coal: Domestic.

Owner of Property: Jewell Collieries, Ltd.

The No. 1 seam which is being worked has a thickness of 6 ft., with shale roof and clay pavement, the cover being from 30 to 300 ft. thick.

The mine is entered by means of a slope and shaft, the latter being used for hoisting coal, the slope being used for travelling way; the shaft is equipped with self dumping cages.

Room and pillar system of working is adopted, coal being undercut by electrically operated coal-cutting machines of the Chain type.

A new tippie equipped with jig screens, having a capacity of 500 tons per day, has been installed, also an 80 H.P. electrically operated hoist.

Open lights are used throughout the mine.

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*J. N. Murray. (Mine No. 675.)*

Mine Office: Rosedale.

Head Office: Drumheller.

Overman: Corey Weatherbee.

Mine Surveyor: G. L. Kidd.

Location of Mine: L.S. 12, Sec. 28, Tp. 27, Rge. 18, W. of the 4th Mer.

Area: 300 acres.

Character of Coal: Domestic.

The No. 1 seam which is being operated has a thickness of 7 ft., with sandstone roof and pavement, the cover being 200 ft. in thickness.

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*Western Gem Coal Company, Limited. (Mine No. 678.)*

Mine Office: Drumheller.

Authorized Capital: \$750,000.00.

President: W. S. Henderson.

Vice-President: J. A. Henderson.

Directors: Dr. D. P. Robertson, J. A. Henderson, D. D. Christie, D. S. Robertson, W. A. Gamble.

Manager: Francis Aspinall.

Overman: J. Scarpino.

Examiner: H. Smith.

Mine Surveyor: G. L. Kidd.

Location of Mine: L.S. 13, Sec. 10, Tp. 29, Rge. 20, W. of the 4th Mer.

Area: 320 acres.

Character of Coal: Domestic.

Owner of Property: Western Gem Coal Company, Limited.

The No. 5 seam which is being worked has a thickness of 4 ft. 6 inches, with sandstone roof and clay pavement, the cover being from 50 to 300 ft. in thickness.

The mine is located 2 miles west of Drumheller, and is entered by shafts which have been sunk to a depth of 109 ft. to the No. 1 seam.

System of working adopted is room and pillar, coal being undercut by electrically operated coal-cutting machines of the chain type.

Open lights are in use throughout the mine.

No work is being carried on in the No. 1 seam.

*Atlas Coal Company, Limited. (Mine No. 684.)*

Mine Office: Drumheller.

Authorized Capital: \$50,000.00.

President: James Holden.

Vice-President: Omar H. Patrick.

Secretary-Treasurer: James McCulloch.

Manager: James Holden.

Overman: James McCulloch.

Examiner: A. Poole.

Mine Surveyor: G. L. Kidd.

Location of Mine: S.E.  $\frac{1}{4}$  Sec. 10, Tp. 29, Rge. 20, W. of the 4th Mer.

Area: 120 acres.

Character of Coal: Domestic.

Owner of Property: Drumheller Land Company, Ltd.

The No. 5 seam which is being worked has a thickness of 5 ft., with sandstone roof and clay pavement, the cover being 20 ft. in thickness.

The mine is entered by means of a slope driven on an inclination of 15 degrees.

The system of working is room and pillar, the coal being mined by coal-cutting machines of the chain type, one operated by a compressed air Turbo type motor, and the other of the Arcwall type, electrically operated.

The plant has a capacity of 450 tons per day, the mine cars holding 2,000 lbs.

Open lights are used throughout the mine.

*Scranton Coal Company, Limited. (Mine No. 695.)*

Mine Office: Drumheller.

Authorized Capital: \$50,000.00.

President: B. K. Bullock.

Secretary: F. Watkins.

General Manager: B. K. Bullock.

Overman: William Watson.

Mine Surveyor: G. L. Kidd.

Location of Mine: L.S. 5 Sec. 10, Tp. 29, Rge. 20, W. of the 4th Mer.

Area: 240 acres.

Character of Coal: Domestic.

Owner of Property: Scranton Coal Co. Ltd.

The upper 5½ feet of the No. 1 seam which is being worked at this mine, has a shaly sandstone roof with bone pavement, the cover being 100 feet thick.

The mine is entered by means of shafts, up which the coal is hoisted on self-dumping cages, the coal being prepared over shaker screens.

The system of working is room and pillar, the coal being mined by electrically operated coal-cutting machines of the Arcwall overhead type.

Open lights are used throughout the mine.

*Celtic Coal Company, Limited. (Mine No. 697.)*

*(Formerly operated by the Hamilton Coal Company.)*

Mine Office: Wayne.

Authorized Capital: \$150,000.00.

President: Peter Allen.

Vice-President: H. Grover.

Secretary: D. Roberts.

Treasurer: W. C. Allen.

Overman: W. C. Allen.

Mine Surveyor: G. L. Kidd.

Location of Mine: L.S. 7, Sec. 18, Tp. 28, Rge. 19, W. of the 4th Mer.

Area: 520 acres.

Character of Coal: Domestic.

This mine was formerly operated in the No. 1 seam, the present working being in the No. 2 seam which has a thickness of 3 ft. 2 inches, with shale roof and clay pavement, the cover having a thickness of 250 ft.

The mine is entered by a slope 100 ft. long, on an inclination of 15 degrees.

The double stall and the shortwall system of working is adopted. Rooms are driven 90 ft. wide, the coal being undercut by electrically operated coal-cutting machines of the longwall chain type.

The plant has a capacity of 250 tons per day, the mine cars holding 1,500 lbs.

Open lights are used throughout the mine.

*John Givens. (Mine No. 701.)*

Mine Office: Drumheller.

Overman: John Givens.

Mine Surveyor: G. L. Kidd.

Location of Mine: L.S. 10, Sec. 11, Tp. 29, Rge. 20, W. of the 4th Mer.

Area: 160 acres.

Character of Coal: Domestic.

Thickness of Seam: 4 feet 6 inches.

Thickness of Cover: 50 to 250 ft.

*Excelsior Collieries, Limited. (Mine No. 703.)*

Mine Office: Wayne.  
 Head Office: Cor. 11th Street and 11th Ave. West, Calgary.  
 Authorized Capital: \$50,000.00.  
 President: S. Burnand.  
 Secretary-Treasurer: Fred Naylor.  
 Directors: S. Burnand, F. Naylor, J. Blair, Dr. Graham, E. H. Crandell.  
 Overman: John Blair.  
 Mine Surveyor: G. L. Kidd.  
 Location of Mine: L.S. 3, Sec. 7, Tp. 27, Rge. 19, W. of the 4th Mer.  
 Area: 300 acres. Character of Coal: Domestic.  
 Owner of Property: Excelsior Collieries, Ltd.

The No. 1 seam which is being worked at this mine has the following section:  
 Coal 5 ft. 5 inches, clay 7 inches, coal 9 inches, bone 7 inches, coal 2½ ft., with shale roof and clay pavement, the cover varying from 40 to 200 ft. in thickness.

*Marzoli & Company. (Mine No. 734.)*

Mine Office: Rosedale Station.  
 Overman: J. R. Miller.  
 Mine Surveyor: G. L. Kidd.  
 Location of Mine: L.S. 11, Sec. 21, Tp. 28, Rge. 19, W. of the 4th Mer.  
 Area: 160 acres. Character of Coal: Domestic.

The No. 1 seam which is being worked has the following section: top coal 2 ft. 6 inches, bone 1 ft. 8 inches, bottom coal 2 ft. 8 inches, with shale roof and clay pavement, the cover having an average thickness of 100 ft.

*Sunshine Coal Company, Limited. (Mine No. 737.)*

Mine Office: Wayne.  
 Authorized Capital: \$50,000.00.  
 President: Santo Stocco.  
 Secretary-Treasurer: Giovanni Ciccone.  
 Secretary: Pietro Guidolin.  
 Overman: Thomas Mather.  
 Mine Surveyor: G. L. Kidd.  
 Area: 160 acres. Character of Coal: Domestic.  
 Owner of Property: Sunshine Coal Company, Ltd.

The No. 2 seam which is being worked has a thickness of 3 ft., with shale roof and clay pavement, the cover varying from 20 to 300 ft. in thickness.

The mine is entered by means of a slope 50 ft. long, driven on an inclination of 15 degrees.

The room and pillar system of working is adopted, the coal being undercut by electrically operated coal-cutting machines of the chain type.

The plant has a capacity of 250 tons per day, the mine cars holding 1,000 lbs. Open lights are used throughout the mine.

*Phoenix Coal Company. (Mine No. 763.)*

Mine Office: Aerial.  
 Overman: A. F. Joberg.  
 Mine Surveyor: Norman Fraser.  
 Location of Mine: S.E. ¼ Sec. 15, Tp. 28, Rge. 19, W. of the 4th Mer.  
 (Mine Abandoned.)

*Moonlight Coal Company, Limited. (Mine No. 766.)*

Mine Office: Aerial.  
 Overman: J. Berlanda.  
 Mine Surveyor: G. L. Kidd.  
 Location of Mine: L.S. 16, Sec. 16, Tp. 28, Rge. 19, W. of the 4th Mer.  
 Area: 40 acres. Character of Coal: Domestic.

The No. 1 seam which is being worked at this mine has the following section:  
 Coal 2 ft. 8 inches, bone 1 ft. 2 inches, bottom coal 2 ft. 2 inches, with shale roof and clay pavement, the cover being 100 ft. in thickness.

*Shamrock Coal Company Limited. (Mine No. 770.)*

Mine Office: Rosedale Station.  
 Overman: Charles Hulme.  
 Mine Surveyor: G. L. Kidd.  
 Location of Mine: L.S. 10, Sec. 20, Tp. 28, Rge. 19, W. of the 4th Mer.  
 Area: 100 acres. Character of Coal: Domestic.

The No. 1 seam is being worked and has the following section: Top coal 2 ft., bone 2 ft., bottom coal 2 ft., with shale roof and clay pavement, the cover being 200 ft. in thickness.

*Hy-Grade Coal Company of Drumheller, Limited. (Mine No. 776.)*

Mine Office: Drumheller.  
 Authorized Capital: \$300,000.00.  
 President: H. C. McConkey.  
 Vice-President: J. J. Best.  
 Managing Director: H. McConkey.  
 Directors: D. G. Adams, T. P. Dunn.  
 Secretary-Treasurer: G. W. Argo.  
 Manager: Wm. Foster.  
 Overman: Wm. Barclay.  
 Mine Surveyor: G. L. Kidd.  
 Location of Mine: N.W.  $\frac{1}{4}$  Sec. 2, Tp. 29, Rge. 20, W. of the 4th Mer.  
 Area: 200 acres. Character of Coal: Domestic.  
 Owner of Property: Drumheller Land Company, Limited.

The No. 5 seam which is being worked has a thickness of 5 ft., with sandstone roof and clay pavement, the cover being 22 ft. in thickness.

The mine is located at Drumheller, and is entered by means of a slope 120 ft. in length, on an inclination of 20 degrees.

The system of working is room and pillar, the coal being undercut by electrically operated coal-cutting machines of the chain type.

The plant has a capacity of 700 tons per day.

Open lights are used throughout the mine.

*Andrew Wilson. (Mine No. 782.)*

Mine Office: Beynon.  
 Overman: A. Wilson.  
 Mine Surveyor: G. L. Kidd.  
 Location of Mine: L.S. 14, Sec. 31, Tp. 27, Rge. 20, W. of the 4th Mer.  
 Area: 40 acres. Character of Coal: Domestic.

*Tabor Coal Mining Company. (Mine No. 813.) Closed.*

Mine Office: Rosedale.  
 Authorized Capital: \$25,000.  
 President: W. J. Tabor.  
 Vice-President: S. S. Bassett.  
 Directors: C. C. Church, A. M. Dunn, J. W. McKune.  
 Overman: John Douglas.  
 Mine Surveyor: G. L. Kidd.  
 Location of Mine: N.W.  $\frac{1}{4}$  Sec. 11, Tp. 28, Rge. 19, W. of the 4th Mer.  
 Area: 160 acres. Character of Coal: Domestic.

*J. L. & Joe Debrinski. (Mine No. 815.)*

Mine Office: Rosebud.  
 Overman: Joe Debrinski.  
 Location of Mine: L.S. 13, Sec. 33, Tp. 27, Rge. 21, W. of the 4th Mer.  
 Area: 40 acres. Character of Coal: Domestic.  
 Thickness of Seam: 4 feet.  
 Thickness of Cover: 30 feet.

*Newcastle Junior Mining Company, Limited. (Mine No. 816.)*

Mine Office: Drumheller.  
 Head Office: Drumheller.  
 President: D. A. Macaulay.  
 Vice-President: Wilson Gouge.  
 Directors: Jesse Gouge, G. N. Coyle.  
 Secretary: J. G. Dewar.  
 Mine Manager: D. A. Macaulay.  
 Overman: P. J. Murphy.  
 Mine Surveyor: D. A. Macaulay.  
 Examiner: Peter Miller.  
 Location of Mine: L.S. 9, Sec. 3, Tp. 29, Rge. 20, W. of the 4th Mer.  
 Area: 260 acres. Character of Coal: Domestic.  
 Owner of Property: Newcastle Junior Mining Company, Ltd.

The No. 5 seam which is being worked has a thickness of 4 ft. 8 inches, with shale roof and clay pavement, the cover being from 40 to 300 ft. in thickness.

The mine is entered by shafts, the hoisting shaft being equipped with a self-dumping cage and back-balance.

The system of working is room and pillar, the coal being undercut by electrically operated coal-cutting machines of the chain type.

The plant has a capacity of 700 tons per day, the mine cars holding 2,000 lbs. Open lights are used throughout the mine.

*Elgin Coal Company, Limited. (Mine No. 819.)*

Mine Office: Drumheller.

Authorized Capital: \$50,000.00.

President: W. G. Gordon.

Vice-President: H. K. Reid.

Director: Wm. McVigh.

Secretary: H. K. Reid.

Mine Manager: James McKelvie.

Examiners: J. Fyvie, C. J. Perdie.

Mine Surveyor: G. L. Kidd.

Location of Mine: L.S. 14, Sec. 2, Tp. 29, Rge. 20, W. of the 4th Mer.

Area: 235 acres.

Character of Coal: Domestic.

Owner of Property: Drumheller Land Company, Ltd.

The No. 5 seam which is being worked, has a thickness of 4½ feet, with shale roof and clay pavement, the cover having a thickness of 42 feet.

The mine is entered by shafts, the hoisting shaft is equipped with a self-dumping cage.

The plant has a capacity of 400 tons per day, the mine cars holding 2,000 lbs.

The system of work adopted is room and pillar, the coal being undercut by electrically operated coal-cutting machines of the chain type.

Open lights are used throughout the mine.

*Ideal Coal Company, Limited. (Mine No. 844.)*

Mine Office: Wayne.

Authorized Capital: \$150,000.00.

President: T. M. McGuckie.

Vice-President: B. A. McEwen.

Secretary-Treasurer: W. A. Ross.

Manager: T. M. McGuckie.

Location of Mine: L.S. 16, Sec. 1, Tp. 28, Rge. 20, W. of the 4th Mer.

Area: 350 acres.

Character of Coal: Domestic.

The only work done at this mine is the sinking of a slope 135 ft. long, on an inclination of 20 degrees. This has tapped the coal seam, which has a thickness of 6 ft., with shale roof and pavement.

*Mid-West Collieries, Limited. (Mine No. 848.)*

Mine Office: Drumheller.

Authorized Capital: \$250,000.00.

President: W. E. Morgan.

Vice-President: P. J. Dixon.

Managing Director: K. J. Valance.

Manager: Wm. Jordon.

Location of Mine: L.S. 7, Sec. 2, Tp. 29, Rge. 20, W. of the 4th Mer.

Area: 400 acres.

Character of Coal: Domestic.

The No. 5 seam which is being worked has a thickness of 5 ft., with shale roof and clay pavement, the cover varying from 50 to 250 ft. in thickness.

The mine is entered by shafts, the hoisting shaft being equipped with self-dumping cages.

The mine is worked on the room and pillar system, the coal being undercut by electrically operated coal-cutting machines of the chain type.

The capacity of the plant is 750 tons per day, the mine cars holding 1,500 lbs.

Open lights are used throughout the mine.

*The Gibson Syndicate. (Mine No. 989.)*

Mine Office: Drumheller.

President: A. H. Gibson.

Secretary: H. C. McConkey.

General Superintendent: J. D. Thomas.

Manager: Wm. Foster.

Overman: Wm. Foster.

Examiners: R. Wilson, A. Thomson.

Mine Surveyor: G. L. Kidd.

Location of Mine: L.S. 1, Sec. 2, Tp. 29, Rge. 20, W. of the 4th Mer.

Area: 400 acres.

Character of Coal: Domestic.

The No. 5 seam which is being worked at this mine, has a thickness of 4 feet 6 inches, with shale roof and clay pavement, the cover varying from 60 to 200 ft. in thickness.

The mine is located in a coulee near Drumbheller, and is entered by shafts, the hoisting shaft being equipped with self-dumping cages, the coal being dumped over bar screens to weigh basket and passing over Marcus screen to railroad cars.

Provision is made for preparing and loading four sizes of coal.

The plant has a capacity of 1,000 tons per day, the mine cars holding 2,000 lbs.

The system of working is room and pillar, the coal being undercut by electrically operated coal-cutting machines of the chain type.

Open lights are used throughout the mine.

The plant at this mine is electrically operated, the power being supplied by the Mines Power Company, Drumbheller.

*Paul Stahl & Jacob Wurz. (Mine No. 906.)*

Mine Office: Rockyford.

Overman: Peter Carls.

Location of Mine: L.S. 4, Sec. 23, Tp. 27, Rge. 23, W. of the 4th Mer.

Area: 160 acres.

Character of Coal: Domestic.

Thickness of Seam: 6 ft.

Thickness of Cover: 70 ft.

*Drummond, Nixon & Murray. (Mine No. 918.)*

Mine Office: Kilpatrick, near Drumbheller

Overman: James Watkins.

Mine Surveyor: G. L. Kidd.

Location of Mine: L.S. 5, Sec. 14, Tp. 29, Rge. 21, W. of the 4th Mer.

Area: 160 acres.

Character of Coal: Domestic.

Thickness of Seam: 3 ft. 6 inches.

Thickness of Cover: 50 to 250 ft.

*Robert Taylor. (Mine No. 931.)*

Mine Office: Rosedale.

Overman: Robert Taylor.

Location of Mine: Sec. 20, Tp. 27, Rge. 18, W. of the 4th Mer.

Area: 40 acres.

Character of Coal: Domestic.

The No. 1 seam which is being worked at this mine, has a thickness of 6½ feet, with sandstone roof and pavement, the cover varying from 50 to 250 feet.

This mine is located in East Coulee, about 8 miles south-east of Rosedale, and is entered by drifts driven in the outcrop from the bank of the river.

**Note.**—The numbering of the coal seams in the Drumbheller Field has been changed, so that they now agree with the numbers given in "The Third Annual Report on the Mineral Resources of Alberta," by Dr. John A. Allan.

**BIG VALLEY DISTRICT.—DISTRICT NO. 14.**

*Big Valley Collieries, Limited. (Mine No. 364.)*

Mine Office: Big Valley.

Authorized Capital: \$50,000.00.

President: John Gillespie.

Vice-President: A. Albertson.

General Manager: A. Albertson.

Secretary-Treasurer: F. T. Aitken.

Manager: John Robertson.

Examiners: R. Baxter, I. Kehl.

Mine Surveyor: Norman Fraser.

Location of Mine: N.W. ¼, Sec. 1, Tp. 36, Rge. 20, W. of the 4th Mer.

Area: 1,300 acres.

Character of Coal: Domestic.

The seam which is being worked has a thickness of 6 feet, with shale roof and pavement, the cover having a thickness of from 20 to 125 feet.

The mine is located 1½ miles north of Big Valley, and is entered by means of a slope 35 feet long, on an inclination of 15 degrees.

The room and pillar system of working is adopted, the coal being undercut by electrically operated coal-cutting machines of the Chain type.

Open lights are used throughout the mine.

The plant has a capacity of 500 tons of coal per day, mine cars holding 2,400 lbs.

The following improvements have been made:—

A new power house having a 72-K.W. three phase A.C. generator, belt driven from a high speed Corliss type steam engine, electrically operated coal-cutting machines of the chain type, and a new tripper with shaker screens.



*Clyde M. Wooden. (Mine No. 471.)*

Mine Office: Scollard.  
 Overman: Clyde M. Wooden.  
 Location of Mine: L.S. 15, Sec. 18, Tp. 34, Rge. 21, W. of the 4th Mer.  
 Thickness of Seam: 5 ft.  
 Thickness of Cover: 160 ft.

*Ant Hill Coal Company. (Mine No. 690.)*

Mine Office: Rowley.  
 Overman: A. J. Johnson.  
 Location of Mine: L.S. 4, Sec. 13, Tp. 32, Rge. 21, W. of the 4th Mer.  
 Area: 40 acres. Character of Coal: Domestic.  
 Thickness of Seam: 5 ft.  
 Thickness of Cover: 110 feet.

*Joseph Hodgson. (Mine No. 694.)*

Mine Office: Rowley.  
 Overman: Joseph Hodgson.  
 Mine Surveyor: Norman Fraser.  
 Location of Mine: L.S. 13, Sec. 12, Tp. 32, Rge. 21, W. of the 4th Mer.  
 Area: 40 acres. Character of Coal: Domestic.  
 Thickness of Seam: 5 feet.  
 Thickness of Cover: 110 feet.

*The Vimy Coal, Light & Power Company, Limited. (Mine No. 864.)*

Mine Office: Big Valley.  
 Authorized Capital: \$25,000.00.  
 President: E. L. Pavier.  
 Directors: F. Rentier, T. P. Smythe.  
 Secretary-Treasurer: J. T. Smythe.  
 Manager: E. L. Pavier.  
 Mine Surveyor: Norman Fraser.  
 Location of Mine: N.W. ¼, Sec. 26, Tp. 35, Rge. 20, W. of the 4th Mer.  
 Area: 250 acres. Character of Coal: Domestic.

*Turner & Prescott. (Mine No. 920.)*

Mine Office: Scollard.  
 Overman: Wm. Turner.  
 Location of Mine: Sec. 34, Tp. 35, Rge. 21, W. of the 4th Mer.  
 Character of Coal: Domestic.  
 This mine has recently been opened.

*Horace V. Colbert. (Mine No. 923.)*

Mine Office: Big Valley.  
 Overman: Horace V. Colbert.  
 Mine Surveyor: N. Fraser.  
 Location of Mine: L.S. 4, Sec. 31, Tp. 35, Rge. 19, W. of the 4th Mer.  
 Area: 80 acres. Character of Coal: Domestic.  
 Thickness of Seam: 8 feet.

## BRAZEAU DISTRICT.—DISTRICT NO. 15.

*Brazeau Collieries, Limited. (Mine No. 256.)*

Mine Office: Nordëgg.  
 Head Office: 9 Toronto Street, Toronto, Ontario.  
 Authorized Capital: \$4,000,000.00.  
 President: Sir William McKenzie.  
 Vice-President: G. T. Clarkson.  
 Secretary-Treasurer: H. S. Gausby.  
 General Manager: John Shanks.  
 Manager: James M. Stewart, Jr.  
 Mine Surveyor: H. G. Moore.  
 Master Mechanic: James Sterling.  
 Location of Mine: N.W. ¼, Sec. 22, Tp. 40, Rge. 15, W. of the 5th Mer.  
 Area: 1,500 acres. Character of Coal: Bituminous  
 Owner of Property: Brazeau Collieries, Limited.

## NO. 2 MINE.

Overman: L. Turner.

Examiners: David Beck, R. Jones, P. Armstrong.

## NO. 3 MINE.

Overman: John Crawford.

Examiners: George Campbell, George McQueen, George C. Yard.

## NEW MINE.

Overman: A. McQueen.

Examiners: E. Hawkins, H. France, W. Dryborough.

There are two seams being worked at this mine: No. 2 having a thickness of 7 feet, with sandstone roof and shale pavement, and No. 3 having a thickness of 14 feet, with shale roof and pavement. The strata have a dip of 12 degrees in a south-westerly direction, the average cover over No. 3 seam being 200 feet, and over No. 2 seam 400 feet.

These mines are located at Nordegg, at the end of the steel on the C.N.R.-Brazeau Branch, and are entered by drifts 7 feet high by 12 feet wide driven in the coal from the outcrop on a flat 150 feet above and about a half a mile from the railway.

The tippie, which is equipped with rotary dumps, is located on the flat above the railway, the coal being taken to the loading terminal by means of a rubber belt conveyor 600 feet long, which discharges on to a Marcus screen.

The system of haulage from the mouth of the tunnel to the tippie is by electric locomotives of the trolley type, and on the entries by electric storage battery locomotives, horse-haulage being used for gathering purposes.

The plant has a capacity of 2,000 tons per day, the nine cars holding 2,500 lbs.

Cap lamps of the Edison electric type are used throughout the mine by the workmen, officials using Wolf Flame type safety lamps.

The following additions and improvements have been made to the plant:

One 500-K.W. electric generator operated by a steam turbine, one 60-K.W. electric generator, belt connected to a high speed engine, three electric storage battery locomotives, a new stable with accommodation for 80 horses, 41 cottages, and an addition to the washhouse with accommodation for 200 lockers.

*Saunders Creek Collieries, Limited. (Mine No. 388.)*

Mine Office: Saunders, Alberta.

Head Office: Saunders, Alberta.

Authorized Capital: \$300,000.00.

President: Jules Charbonnier.

Vice-President: Raoul Green.

Secretary-Treasurer: George Grassowski.

Manager: Thomas Horne.

Overman: W. G. Pearson.

Mine Surveyor: A. E. Williams.

Examiner: H. Morley.

Location of Mine: N.E.  $\frac{1}{4}$ , Sec. 24, Tp. 40, Rge. 13, W. of the 5th Mer.

Area: 2,561 acres.

Character of Coal: Bituminous.

*Saunders-Alberta Collieries, Limited. (Mine No. 756.)*

Mine Office: West Saunders.

Head Office: Red Deer.

Authorized Capital: \$500,000.00

President: C. F. Dorsey.

Secretary-Treasurer: A. H. Moyes.

Directors: C. F. Dorsey, A. Collison, E. W. Delong.

Manager and Overman: John Stevenson.

Examiner: J. R. Tisdale.

Mine Surveyor: D. R. Moore.

Master Mechanic: Harvey Cleveland.

Location of Mine: L.S. 16, Sec. 23, Tp. 40, Rge. 13, W. of the 5th Mer.

Area: 600 acres.

Character of Coal: Bituminous.

*Harlech Coal Company. (Mine No. 823.)*

Mine Office: Nordegg, Alberta.

Secretary-Treasurer: Stewart Kidd.

Overman: W. R. Kerr.

Mine Surveyor: H. D. Moore.

Location of Mine: Sec. 10, Tp. 41, Rge. 14, W. of the 5th Mer.

Character of Coal: Bituminous.

Prospecting work only has been done at this mine, it being closed at present.

*Alexo Coal Company, Limited. (Mine No. 852.)*

Mine Office: West Saunders.  
 Head Office: 301 C.P.R. Building, Toronto, Ontario.  
 Authorized Capital: \$200,000.00.  
 President: E. F. Pullen.  
 Managing Director: E. F. Pullen.  
 Directors: G. F. Hanning, Frank Pullen, F. J. Stewart, H. N. Roberts, C. C. Clark, E. F. Pullen.  
 Secretary-Treasurer: F. J. Stewart.  
 Mine Manager: Thomas Horne.  
 Mine Surveyor: Thomas Horne.  
 Examiner: Chapin Terris.  
 Master Mechanic: R. Walker.  
 Location of Mine: Sec. 27, Tp. 40, Rge. 15, W. of the 5th Mer.  
 Area: 1,400 acres. Character of Coal: Bituminous.

## BROOKS DISTRICT.—DISTRICT NO. 16.

*Blackfoot Indians. (Mine No. 72.)*

This mine is operated on the Blackfoot Indian Reserve by the Indians, the entire output being disposed of locally. This reserve is south of Gleichen.

*The Kleenbirn Collieries, Limited. (Mine No. 226.)*

Mine Office: Eyremore, Alberta.  
 Head Office: Eyremore, Alberta.  
 Authorized Capital: \$1,000,000.00.  
 President: James Balfour.  
 Vice-President: W. W. Wills.  
 Directors: James Balfour, W. W. Wills, C. R. Westgate.  
 Secretary-Treasurer: C. R. Westgate.  
 General Manager: C. R. Westgate.  
 Overman: John Barr.  
 Mine Surveyor: Emil Leblanc.  
 Location of Mine: L.S. 2, Sec. 16, Tp. 17, Rge. 17, W. of the 4th Mer.  
 Area: 5,306 acres. Character of Coal: Domestic.

The seam being worked has a thickness of 5 feet, the cover having an average thickness of 120 feet.

The mine is entered by drifts driven in from the river bank, the coal being hoisted to the tippie, which is on the prairie level, over a surface incline.

The mine is worked on the room and pillar system, the plant having a capacity of 100 tons per day.

Open lights are used throughout the mine.

*William G. Noble. (Mine No. 257.)*

Mine Office: Duchess, Alberta.  
 Overman: W. G. Noble.  
 Mine Surveyor: J. A. H. Church.  
 Location of Mine: L.S. 6, Sec. 7, Tp. 23, Rge. 14, W. of the 4th Mer.  
 Area: 40 acres. Character of Coal: Domestic.  
 Thickness of Seam: 2 feet 6 inches.  
 Thickness of Cover: 30 feet.

*Castella Bros. (Mine No. 360.)*

Mine Office: Standard.  
 Overman: Hans J. Castella.  
 Mine Surveyor: Gordon L. Kidd.  
 Location of Mine: L.S. 13, Sec. 2, Tp. 25, Rge. 22, W. of the 4th Mer.  
 Area: 160 acres. Character of Coal: Domestic.  
 Thickness of Seam: 3 feet 9 inches.  
 Thickness of Cover: 50 feet.

*P. F. Clemens. (Mine No. 460.)*

Mine Office: Gem, Alberta.  
 Overman: P. F. Clemens.  
 Mine Surveyor: J. A. H. Church.  
 Location of Mine: L.S. 4, Sec. 12, Tp. 23, Rge. 15, W. of the 4th Mer.  
 Area: 120 acres. Character of Coal: Domestic.  
 Thickness of Seam: 4 feet 6 inches.  
 Thickness of Cover: 120 feet.

*The People's Mine. (Mine No. 840.)—(Closed.)*

Location of Mine: L.S. 4, Sec. 15, Tp. 17, Rge. 17, W. of the 4th Mer.

*James A. Batie. (Mine No. 842.)—(Closed.)*

Location of Mine: S.W.  $\frac{1}{4}$ , Sec. 34, Tp. 20, Rge. 19, W. of the 4th Mer.

*Gilbert Dwelle & Lee. (Mine No. 857.)  
(Formerly Henry Kristensen.)*

Mine Office: Standard.

Overman: C. F. Lefley.

Mine Surveyor: Gordon L. Kidd.

Location of Mine: L.S. 5, Sec. 11, Tp. 25, Rge. 22, W. of the 4th Mer.

Area: 120 acres.

Character of Coal: Domestic.

Thickness of Seam: 3 feet, 9 inches.

Thickness of Cover: 80 ft.

*Duchess Coal Co. (Mine No. 860.)—(Closed.)*

Location of Mine: Sec. 2, Tp. 23, Rge. 15, W. of the 4th Mer.

*W. R. Dick. (Mine No. 885.)—(Closed.)*

Location of Mine: S.E.  $\frac{1}{4}$  Sec. 33, Tp. 21, Rge. 14, W. of the 4th Mer.

*C. R. Westgate. (Mine No. 900.)—(Closed.)*

Location of Mine: S.W.  $\frac{1}{4}$  Sec. 23, Tp. 17, Rge. 17, W. of the 4th Mer.

*Ralph Perillo. (Mine No. 901.)—(Closed.)*

Location of Mine: L.S. 15, Sec. 12, Tp. 23, Rge. 15, W. of the 4th Mer.

*Haley & Paterson. (Mine No. 914.)*

Mine Office: Eyremore.

Overman: Elias Kyllingstad.

Mine Surveyor: Emil Leblanc.

Location of Mine: L.S. 10, Sec. 22, Tp. 17, Rge. 17, W. of the 4th Mer.

Area: 320 acres.

Character of Coal: Domestic.

Thickness of Seam: 6 feet.

Thickness of Cover: 35 feet.

*George Ketchmark. (Mine No. 915.)*

Mine Office: Eyremore.

Overman: George Ketchmark.

Mine Surveyor: Emil Leblanc.

Location of Mine: L.S. 15, Sec. 14, Tp. 17, Rge. 17, W. of the 4th Mer.

Area: 80 acres.

Character of Coal: Domestic.

Thickness of Seam: 3 feet, 6 inches.

Thickness of Cover: 40 feet.

*W. D. Kellough. (Mine No. 947.)*

Mine Office: Eyremore.

Overman: W. D. Kellough.

Location of Mine: Sec. 13, Tp. 17, Rge. 17, W. of the 4th Mer.

## HANNA DISTRICT.—DISTRICT NO. 17.

*Oscar Collieries, Limited. (Mine No. 262.)*

Mine Office: Sheerness.

Head Office: 610 McLean Block, Calgary.

Authorized Capital: \$300,000.00.

President: Wm. Battes.

Secretary-Treasurer: E. F. Clarry.

Directors: Wm. Battes, E. F. Clarry, Wesley Buchner.

Overman: Wm. Ashman.

Location of Mine: L.S. 2, Sec. 19, Tp. 29, Rge. 12, W. of the 4th Mer.

Area: 1,600 acres.

Character of Coal: Domestic.

Owner of Property: Oscar Collieries, Ltd.

The seam being worked at this mine has a thickness of 10 feet, with sandstone roof and clay pavement, the cover being 25 feet in thickness.

The mine is entered by means of a slope, up which the coal is hoisted to the tipple by a steam operated hoist.

The room and pillar system of working is adopted.

The mine has a capacity of 300 tons per day, the mine cars holding 2,000 lbs.

Open lights are used throughout the mine.

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*J. Warneboldt. (Mine No. 321.)*

Mine Office: Sheerness.

Overman: Walter J. Dieter.

Mine Surveyor: Norman Fraser.

Location of Mine: L.S. 7, Sec. 19, Tp. 29, Rge. 12, W. of the 4th Mer.

Area: 60 acres.

Character of Coal: Domestic.

Thickness of Seam: 8 feet.

Thickness of Cover: 25 feet.

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*Arthur Miller. (Mine No. 354.)*

Mine Office: Delia.

Overman: Arthur Miller.

Mine Surveyor: Norman Fraser.

Location of Mine: N.W.  $\frac{1}{4}$ , Sec. 21, Tp. 30, Rge. 17, W. of the 4th Mer.

Area: 40 acres.

Character of Coal: Domestic.

Thickness of Seam: 4 feet.

Thickness of Cover: 60 feet.

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*T. A. Kane. (Mine No. 375.)*

Mine Office: Garden Plain.

Overman: John S. Murthwaite.

Mine Surveyor: Norman Fraser.

Location of Mine: L.S. 7, Sec. 1, Tp. 34, Rge. 14, W. of the 4th Mer.

Area: 30 acres.

Character of Coal: Domestic.

Thickness of Seam: 4 feet, 8 inches.

Thickness of Cover: 20 to 150 feet.

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*H. Tattam. (Mine No. 415.)*

Mine Office: Parr.

Mine Surveyor: Norman Fraser.

Location of Mine: L.S. 4, Sec. 5, Tp. 29, Rge. 14, W. of the 4th Mer.

Area: 30 acres.

Character of Coal: Domestic.

Thickness of Seam: 3 feet.

Thickness of Cover: 6 feet.

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*Wm. J. Anderson. (Mine No. 443.)*

Mine Office: Sheerness.

Overman: E. Atherton.

Mine Surveyor: Norman Fraser.

Location of Mine: S.E.  $\frac{1}{4}$ , Sec. 12, Tp. 29, Rge. 14, W. of the 4th Mer.

Area: 160 acres.

Character of Coal: Domestic.

Thickness of Seam: 9 feet.

Thickness of Cover: 25 feet.

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*George W. Halliday. (Mine No. 477.)*

Mine Office: Delia.

Overman: Geo. W. Halliday.

Mine Surveyor: Norman Fraser.

Location of Mine: L.S. 3, Sec. 28, Tp. 30, Rge. 17, W. of the 4th Mer.

Area: 30 acres.

Character of Coal: Domestic.

Thickness of Seam: 3 feet, 9 inches.

Thickness of Cover: 35 feet.

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*Charles E. Brown. (Mine No. 486.)*

Mine Office: Hanna.

Overman: Chas. E. Brown.

Mine Surveyor: Norman Fraser.

Location of Mine: S.W.  $\frac{1}{4}$ , Sec. 29, Tp. 32, Rge. 13, W. of the 4th Mer.

Area: 40 acres.

Character of Coal: Domestic.

*Robert Unsworth. (Mine No. 488.)*

Mine Office: Garden Plain.  
 Overman: Robert Unsworth.  
 Mine Surveyor: Norman Fraser.  
 Location of Mine: N.W.  $\frac{1}{4}$  Sec. 6, Tp. 33, Rge. 14, W. of the 4th Mer.  
 Area: 40 acres. Character of Coal: Domestic.  
 Thickness of Seam: 3 feet.  
 Thickness of Cover: 25 feet.

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*L. C. Treber & William Wiles. (Mine No. 491.)*

Mine Office: Parr.  
 Overman: Gus. M. Dofher.  
 Mine Surveyor: Norman Fraser.  
 Location of Mine: L.S. 16, Sec. 18, Tp. 29, Rge. 14, W. of the 4th Mer.  
 Area: 20 acres. Character of Coal: Domestic.  
 Thickness of Seam: 3 feet.  
 Thickness of Cover: 40 feet.

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*John Koehn. (Mine No. 496.)*

Mine Office: Craignyle.  
 Overman: Lawrence Anderson.  
 Mine Surveyor: Norman Fraser.  
 Location of Mine: L.S. 6, Sec. 3, Tp. 33, Rge. 16, W. of the 4th Mer.  
 Character of Coal: Domestic.  
 Thickness of Seam: 4 feet, 6 inches.  
 Thickness of Cover: 25 feet.

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*Morse & Larrair. (Mine No. 497.)*

Mine Office: Hanna.  
 Overman: Alfred T. Morse.  
 Mine Surveyor: Norman Fraser.  
 Location of Mine: S.E.  $\frac{1}{4}$ , Sec. 19, Tp. 29, Rge. 14, W. of the 4th Mer.  
 Area: 20 acres. Character of Coal: Domestic.  
 Thickness of Seam:  $3\frac{1}{2}$  feet.  
 Thickness of Cover: 60 feet.

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*William Glover. (Mine No. 611.)*

Mine Office: Hanna.  
 Overman: Wm. Glover.  
 Mine Surveyor: Norman Fraser.  
 Location of Mine: S.W.  $\frac{1}{4}$  Sec. 29, Tp. 32, Rge. 13, W. of the 4th Mer.  
 Area: 20 acres. Character of Coal: Domestic.  
 Thickness of Seam: 4 feet.  
 Thickness of Cover: 8 feet.

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*James Bradshaw. (Mine No. 646.)*

Mine Office: Garden Plain.  
 Overman: James Bradshaw.  
 Mine Surveyor: Norman Fraser.  
 Location of Mine: L.S. 1, Sec. 1, Tp. 34, Rge. 14, W. of the 4th Mer.  
 Area: 30 acres. Character of Coal: Domestic.  
 Thickness of Seam:  $4\frac{1}{2}$  feet.  
 Thickness of Cover: 30 feet.

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*Mrs. Mary M. Edmonson. (Mine No. 725.)*

Mine Office: Delia.  
 Overman: James Green.  
 Location of Mine: L.S. 12, Sec. 24, Tp. 28, Rge. 18, W. of the 4th Mer.  
 Area: 40 acres. Character of Coal: Domestic.  
 Thickness of Seam: 4 feet.  
 Thickness of Cover: 20 to 200 feet.

*Strong & Porter. (Mine No. 784.)*

Mine Office: Rose Lynn.  
Overman: Wm. B. Sinclair.  
Mine Surveyor: Norman Fraser.  
Location of Mine: L.S. 1, Sec. 34, Tp. 28, Rge. 13, W. of the 4th Mer.  
Area: 20 acres. Character of Coal: Domestic.  
Thickness of Seam: 8 feet.  
Thickness of Cover: 30 feet.

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*James Wright. (Mine No. 862.)*

Mine Office: Garden Plain.  
Mine Surveyor: Norman Fraser.  
Location of Mine: S.W.  $\frac{1}{4}$  Sec. 6, Tp. 34, Rge. 13, W. of the 4th Mer.  
Area: 20 acres. Character of Coal: Domestic.  
Thickness of Seam: 5 feet.  
Thickness of Cover: 10 feet.

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*George Thomas. (Mine No. 907.)*  
*(Stripping Pit.)*

Mine Office: Sheerness.  
Overman: George Thomas.  
Location of Mine: L.S. 16, Sec. 16, Tp. 29, Rge. 30, W. of the 4th Mer.  
Area: 20 acres. Character of Coal: Domestic.  
Thickness of Seam:  $4\frac{1}{2}$  feet.  
Thickness of Cover: 7 feet.

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*A. G. Edmonson. (Mine No. 880.)*

Mine Office: Delia.  
Location of Mine: L.S. 3 and 4, Sec. 24, Tp. 28, Rge. 18, W. of the 4th Mer.  
Mine did not commence operations.

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*Frank Colter. (Mine No. 919.)*

Mine Office: Delia.  
Location of Mine: L.S. 15, Sec. 30, Tp. 29, Rge. 17, W. of the 4th Mer.  
Overman: H. Iveson.  
Thickness of Seam: 4 feet.

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*Daniels & Horsky. (Mine No. 937.)*

Mine Office: Delia. (Box 104.)  
Overman: Elias Jones.  
Location of Mine: L.S. 14, Sec. 21, Tp. 30, Rge. 17, W. of the 4th Mer.

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## LACOMBE DISTRICT.—DISTRICT NO. 18.

*The Ben Nevis Mines Limited. (Mine No. 167.)*

Mine Office: Nevis, Alberta.  
Overman: James Mathewson.  
Mine Surveyor: Norman Fraser.  
Location of Mine: S.E.  $\frac{1}{4}$ , Sec. 11, Tp. 39, Rge. 22, W. of the 4th Mer.  
Area: 200 acres. Character of Coal: Domestic.  
Thickness of Seam: 4 feet.  
Thickness of Cover: 120 feet.

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*Richard Ruscoe. (Mine No. 212.)*

Mine Office: Halkirk.  
Overman: Martin Johnson.  
Mine Surveyor: Norman Fraser.  
Location of Mine: N.W.  $\frac{1}{4}$ , Sec. 8, Tp. 39, Rge. 15, W. of the 4th Mer.  
Area: 80 acres. Character of Coal: Domestic.  
Owner of Property: Carl G. Hilker.  
Thickness of Seam: 6 feet.  
Thickness of Cover: 85 feet.

*Marincl & Persling. (Mine No. 246.)*

Mine Office: Castor.  
 Overman: Robert Marincl.  
 Mine Surveyor: Norman Fraser.  
 Location of Mine: E.  $\frac{1}{2}$  of L.S. 14, Sec. 34, Tp. 37, Rge. 14, W. of the 4th Mer.  
 Area: 40 acres. Character of Coal: Domestic.  
 Owner of Property: A. D. McCormack.  
 Thickness of Seam: 4 feet.  
 Thickness of Cover: 30 feet.

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*Davis & Green. (Mine No. 273.)*

Mine Office: Halkirk.  
 Overman: Henry Victor Green.  
 Mine Surveyor: Norman Fraser.  
 Location of Mine: L.S. 12, Sec. 18, Tp. 39, Rge. 15, W. of the 4th Mer.  
 Area: 20 acres. Character of Coal: Domestic.  
 Thickness of Seam: 4 feet.  
 Thickness of Cover: 85 feet.

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*A. D. McCormack. (Mine No. 275.)*

Mine Office: Castor.  
 Overman: Angus Daniel McCormack.  
 Mine Surveyor: Norman Fraser.  
 Location of Mine: S.W.  $\frac{1}{4}$  Sec. 3, Tp. 38, Rge. 14, W. of the 4th Mer.  
 Area: 160 acres. Character of Coal: Domestic.  
 Thickness of Seam: 5 feet 8 inches.  
 Thickness of Cover: 20 feet.

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*Armour Gray. (Mine No. 289.)*

Mine Office: Gadsby, Alberta.  
 Overman: Armour Gray.  
 Mine Surveyor: Norman Fraser.  
 Location of Mine: N.E.  $\frac{1}{4}$ , Sec. 28, Tp. 39, Rge. 16, W. of the 4th Mer.  
 Area: 160 acres. Character of Coal: Domestic.  
 Thickness of Seam: 4 feet.  
 Thickness of Cover: 50 feet.

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*Hugh D. McLean. (Mine No. 304.)*

Mine Office: Castor.  
 Overman: Robert E. Lee.  
 Mine Surveyor: Thomas Horne.  
 Location of Mine: S.E.  $\frac{1}{4}$ , Sec. 34, Tp. 37, Rge. 14, W. of the 4th Mer.  
 Area: 160 acres. Character of Coal: Domestic.  
 Thickness of Seam: 4 feet.  
 Thickness of Cover: 22 feet.

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*Benjamin Hronek. (Mine No. 427.)*

Mine Office: Halkirk.  
 Overman: Mike Hook.  
 Mine Surveyor: Norman Fraser.  
 Location of Mine: L.S. 7, Sec. 18, Tp. 39, Rge. 15, W. of the 4th Mer.  
 Area: 40 acres. Character of Coal: Domestic.  
 Thickness of Seam: 6 feet 6 inches.  
 Thickness of Cover: 85 feet.

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*J. F. Christopher. (Mine No. 660.)*

Mine Office: Gadsby.  
 Overman: J. F. Christopher  
 Mine Surveyor: Norman Fraser.  
 Location of Mine: S.E.  $\frac{1}{4}$ , Sec. 28, Tp. 39, Rge. 16, W. of the 4th Mer.  
 Area: 50 acres. Character of Coal: Domestic.  
 Thickness of Seam: 4 feet.  
 Thickness of Cover: 30 feet.



*Samuel Wadsworth. (Mine No. 665.)*

Mine Office: Gadsby.  
Overman: S. Wadsworth.  
Mine Surveyor: Norman Fraser.  
Location of Mine: N.E.  $\frac{1}{4}$  Sec. 21, Tp. 39, Rge. 16, W. of the 4th Mer.  
Area: 40 acres. Character of Coal: Domestic.  
Thickness of Seam: 4 feet.  
Thickness of Cover: 30 feet.

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*Beaver Coal Company, Limited. (Mine No. 717.)*

Mine Office: Castor.  
Overman: Casswallen Evans.  
Mine Surveyor: F. M. Steel.  
Location of Mine: L.S. 2, Sec. 34, Tp. 37, Rge. 14, W. of the 4th Mer.  
Area: 160 acres. Character of Coal: Domestic.  
Thickness of Seam: 5 feet, 2 inches.  
Thickness of Cover: 35 feet.

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*J. B. Remillard. (Mine No. 902.)*

Mine Office: Castor.  
Overman: David Wilkie.  
Mine Surveyor: D. Jones.  
Location of Mine: L.S. 15, Sec. 33, Tp. 37, Rge. 14, W. of the 4th Mer.  
Area: 160 acres. Character of Coal: Domestic.  
Thickness of Seam: 5 feet, 3 inches.  
Thickness of Cover: 35 feet.

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*Alfred J. Hook. (Mine No. 913.)*

Mine Office: Halkirk.  
Location of Mine: L.S. 1, Sec. 7, Tp. 39, Rge. 15, W. of the 4th Mer.  
Prospecting work only has been done at this mine. Mine closed.

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*John Wille. (Mine No. 928.)—(Mine Closed.)*  
*(Formerly operated by Claude H. Blaine.)*

Mine Office: Nevis.  
Overman: Andrew Richmond.  
Location of Mine: L.S. 15 and 16, Sec. 10, Tp. 38, Rge. 22, W. of the 4th Mer.  
Area: 60 acres. Character of Coal: Domestic.  
Thickness of Seam: 4 feet.

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*Tynsdale & Smith. (Mine No. 930.)*

Mine Office: Nevis.  
Overman: John H. Smith.  
Location of Mine: L.S. 15, Sec. 33, Tp. 38, Rge. 22, W. of the 4th Mer.  
Area: 40 acres. Character of Coal: Domestic.  
Thickness of Seam: 4 feet.

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*J. C. Cloutman & L. Bergren. (Mine No. 932.)*

Mine Office: Gadsby.  
Overman: L. Bergren.  
Location of Mine: L.S. 8, Sec. 29, Tp. 39, Rge. 18, W. of the 4th Mer.  
Area: 40 acres. Character of Coal: Domestic.  
Thickness of Seam: 4 feet.  
Thickness of Cover: 50 feet.

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*William T. O'Connor. (Mine No. 940.)*

Mine Office: Castor.  
Overman: Mike Maiké.  
Location of Mine: L.S. 10, Sec. 24, Tp. 37, Rge. 14, W. of the 4th Mer.  
Area: 40 acres. Character of Coal: Domestic.  
Thickness of Seam:  $3\frac{1}{2}$  feet.  
Thickness of Cover: 30 feet.

*Daniel Shaw. (Mine No. 945.)*

Mine Office: Castor.  
 Overman: Daniel Shaw.  
 Mine Surveyor: N. Fraser.  
 Location of Mine: L.S. 8, Sec. 35, Tp. 37, Rge. 14, W. of the 4th Mer.  
 Area: 40 acres. Character of Coal: Domestic.  
 Thickness of Seam: 5 feet.  
 Thickness of Cover: 18 feet.

*Paul Striech. (Mine No. 946.)*

Mine Office: Nevis.  
 Overman: Arthur J. Lewis.  
 Location of Mine: S.W.  $\frac{1}{4}$ , Sec. 12, Tp. 38, Rge. 21, W. of the 4th Mer.  
 Area: 80 acres. Character of Coal: Domestic.  
 Thickness of Seam:  $4\frac{1}{2}$  feet.  
 Thickness of Cover: 50 feet.

*Emil Kobi. (Mine No. 968)*

Mine Office: Endiang P.O.  
 Location of Mine: S.W.  $\frac{1}{4}$ , Sec. 4, Tp. 36, Rge. 15, W. of the 4th Mer.  
 Mine being opened.

*C. G. Rochon. (Mine No. 966.)*

Mine Office: Erskine.  
 Location of Mine: L.S. 10, Sec. 10, Tp. 38, Rge. 22, W. of the 4th Mer.  
 Mine just being opened.

*James Blades. (Mine No. 969.)*

Mine Office: R.R. No. 1, Nevis.  
 Location of Mine: L.S. 14, Sec. 10, Tp. 38, Rge. 22, W. of the 4th Mer.  
 Area: 20 acres. Character of Coal: Domestic.  
 Thickness of Seam: 4 feet.  
 Thickness of Cover: 30 feet.  
 Prospecting.

## TROCHU DISTRICT.—DISTRICT NO. 19.

*F. A. Straub. (Mine No. 255.)—(Stripping Pit.)*

Mine Office: Alix.  
 Overman: F. A. Straub.  
 Location of Mine: L.S. 5, Sec. 17, Tp. 38, Rge. 23, W. of the 4th Mer.  
 Area: 40 acres. Character of Coal: Domestic.  
 Thickness of Seam: 6 feet.  
 Thickness of Cover: 12 feet.  
 Owner of Property: F. A. Straub.

*R. A. Salisbury. (Mine No. 315.)*

Mine Office: Trochu.  
 Overman: R. A. Salisbury.  
 Mine Surveyor: Robert Hamilton.  
 Location of Mine: S.E.  $\frac{1}{4}$ , Sec. 14, Tp. 33, Rge. 23, W. of the 4th Mer.  
 Area: 40 acres. Character of Coal: Domestic.  
 Thickness of Seam: 5 feet, 6 inches.  
 Thickness of Cover: 80 feet.  
 Owner of Property: C. L. Kursler.

*Yard Brothers Coal Company. (Mine No. 328.)*

Mine Office: Huxley.  
 Overman: John W. Yard.  
 Mine Surveyor: Norman Fraser.  
 Location of Mine: S.W.  $\frac{1}{4}$  Sec. 13, Tp. 34, Rge. 22, W. of the 4th Mer.  
 Area: 40 acres. Character of Coal: Domestic.  
 Thickness of Seam: 5 feet, 8 inches.  
 Thickness of Cover: 70 feet.  
 Owner of Property: Yard Brothers.

*John Kalin. (Mine No. 423.)*

Mine Office: Trochu.  
Overman: John Kalin.  
Mine Surveyor: Robert Hamilton.  
Location of Mine: L.S. 15, Sec. 22, Tp. 33, Rge. 23, W. of the 4th Mer.  
Area: 20 acres. Character of Coal: Domestic.  
Thickness of Seam: 5 feet.  
Thickness of Cover: 20 to 80 feet.  
Owner of Property: J. Kalin.

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*Ole Thompson. (Mine No. 495.)*

Mine Office: Lousana.  
Overman: Ole Thompson.  
Mine Surveyor: Norman Fraser.  
Location of Mine: N.E.  $\frac{1}{4}$ , Sec. 12, Tp. 36, Rge. 22, W. of the 4th Mer.  
Area: 20 acres. Character of Coal: Domestic.  
Thickness of Seam: 4 feet.  
Thickness of Cover: 80 feet.  
Owner of Property: Ole Thompson.

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*James Aiello. (Mine No. 631.)*

Mine Office: Ardley.  
Overman: Tom Crew.  
Location of Mine: S.W.  $\frac{1}{4}$ , Sec. 17, Tp. 38, Rge. 23, W. of the 4th Mer.  
Area: 160 acres. Character of Coal: Domestic.  
Thickness of Seam: 5 feet, 6 inches.  
Thickness of Cover: 100 feet.  
Owner of Property: Ole Thompson.

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*Theodore Kurp. (Mine No. 635.)—(Stripping Pit.)*

Mine Office: Delburne.  
Overman: Theodore Kurp.  
Location of Mine: L.S. 4, Sec. 7, Tp. 38, Rge. 23, W. of the 4th Mer.  
Area: 30 acres. Character of Coal: Domestic.  
Thickness of Seam: 5 feet.  
Thickness of Cover: 10 feet.  
Owner of Property: Theodore Kurp.

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*Peters & Kinchin. (Mine No. 710.)*

Mine Office: Trochu.  
Overman: Robert Davidson.  
Mine Surveyor: Robert Hamilton.  
Location of Mine: L.S. 10, Sec. 14, Tp. 33, Rge. 23, W. of the 4th Mer.  
Area: 20 acres. Character of Coal: Domestic.  
Thickness of Seam: 5 feet, 6 inches.  
Thickness of Cover: 70 feet.  
Owner of Property: Wm. Peters.

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*North Star Coal Company. (Mine No. 731.)—(Stripping Pit.)*

Mine Office: Alix.  
Manager: W. C. H. Louis.  
Mine Surveyor: C. C. Richards.  
Location of Mine: L.S. 16, Sec. 33, Tp. 38, Rge. 23, W. of the 4th Mer.  
Area: 160 acres. Character of Coal: Domestic.  
Thickness of Seam: 8 feet.  
Thickness of Cover: 20 feet.  
Owner of Property: Casper W. Sharples.

*Ardley Hardite Collieries, Limited. (Mine No. 787.)*

Mine Office: Ardley.

Head Office: 1011 Herald Bldg., Calgary.

Authorized Capital: \$300,000.00.

President: W. R. Walsh.

Vice-President: Geo. A. MacKenzie.

Secretary-Treasurer: D. Preston.

Directors: W. H. McLaws, Geo. A. MacKenzie, D. Preston.

Superintendent: W. R. Walsh.

Overman: John Russell.

Mine Surveyor: R. H. Watson.

Location of Mine: L.S. 12, Sec. 21, Tp. 38, Rge. 23, W. of the 4th Mer.

Area: 12,000 acres.

Character of Coal: Domestic.

Owner of Property: Ardley Hardite Collieries, Ltd.

The seam being worked at this mine has a thickness of 6 feet, with coal roof and shale pavement, and has a dip of two degrees in a south-easterly direction, the cover being 95 feet in thickness.

The mine is located near Ardley, on the Edmonton-Calgary branch of the G.T.P., and is entered by a shaft equipped with self-dumping cages.

System of working is room and pillar. The capacity of the plant is 300 tons per day, mine-cars holding 2,000 lbs.

Open lights are in use throughout the mine.

*Harry T. Cooper. (Mine No. 799.)*

Mine Office: Lousana.

Overman: Harry T. Cooper.

Location of Mine: Sec. 24, Tp. 36, Rge. 22, W. of the 4th Mer.

Area: 20 acres.

Character of Coal: Domestic

Owner of Property: Harry T. Cooper.

Thickness of Seam: 4 feet.

Thickness of Cover: 20 to 250 feet.

*Jones, Waltham & Sissions. (Mine No. 809.)*

Mine Office: Alix.

Overman: Thomas N. Waltham.

Location of Mine: L.S. 6, Sec. 33, Tp. 38, Rge. 23, W. of the 4th Mer.

Area: 160 acres.

Character of Coal: Domestic.

Owner of Property: Wm. Jones, Alix.

Thickness of Seam: 5 feet.

Thickness of Cover: 70 feet.

*Thomas E. Lassiter. (Mine No. 812.)*

Mine Office: Delburne.

Overman: Thomas E. Lassiter.

Location of Mine: L.S. 15, Sec. 2, Tp. 38, Rge. 24, W. of the 4th Mer.

Area: 20 acres.

Character of Coal: Domestic.

Thickness of Seam: 6 feet.

Thickness of Cover: 6 to 20 feet.

Owner of Property: E. Parlbly.

*Ardley Hardite Collieries Limited. (Mine No. 824.)  
(Formerly Sunbeam Collieries, Limited.)*

Mine Office: Ardley.

Head Office: 1011 Herald Bldg., Calgary, Alberta.

Authorized Capital: \$300,000.00.

President: W. R. Walsh.

Vice-President: Geo. A. MacKenzie.

Secretary-Treasurer: D. Preston.

Directors: W. H. McLaws, Geo. A. MacKenzie, D. Preston.

Superintendent: W. R. Walsh.

Overman: Charles Chesnut.

Mine Surveyor: R. H. Watson.

Location of Mine: E.  $\frac{1}{4}$  Sec. 20, Tp. 38, Rge. 23, W. of the 4th Mer.

Area: 320 acres.

Character of Coal: Domestic.

Owner of Property: Col Walker, Calgary

The seam has a thickness of 6 feet; the roof above the coal is clay 1 foot in thickness, overlaid by sandstone, with clay pavement, the thickness of cover being 90 feet

The mine is entered by means of a level driven in the coal from the outcrop in a Coulee

The system of working is room and pillar, the coal being undercut by means of compressed air coal-cutting machines of the Post Radial type  
Open lights are used throughout the mine

*Wm. Schamehorm. (Mine No. 831.)*

Mine Office: Alix.  
Overman: A. G. Fudge.  
Mine Surveyor: Norman Fraser.  
Location of Mine: L.S. 15, Sec. 33, Tp. 30, Rge. 23, W. of the 4th Mer.  
Area: 160 acres. Character of Coal: Domestic.  
Owner of Property: Rosebank Coal Co. Ltd., Alix.  
Thickness of Seam: 5 feet 6 inches.  
Thickness of Cover: 80 feet.

*David Halbert. (Mine No. 859.)*

Mine Office: Trochu.  
Overman: David Halbert.  
Mine Surveyor: Robert Hamilton.  
Location of Mine: Sec. 23, Tp. 33, Rge. 23, W. of the 4th Mer.  
Area: 20 acres. Character of Coal: Domestic.  
Owner of Property: David Halbert.  
Thickness of Seam: 5 feet 6 inches.  
Thickness of Cover: 70 feet.

*Robert Russell. (Mine No. 891.)*

Mine Office: Alix.  
Overman: Robert Russell.  
Location of Mine: L.S. 11, Sec. 1, Tp. 38, Rge. 24, W. of the 4th Mer.  
Area: 80 acres. Character of Coal: Domestic.  
Owner of Property: Robert Russell.  
Thickness of Seam: 5 feet.  
Thickness of Cover: 15 feet.

*C. H. Stanley. (Mine No. 912.)*

Mine Office: Ardley.  
Manager: Corey Weatherbee.  
Location of Mine: E.  $\frac{1}{2}$  Sec. 29, Tp. 38, Rge. 23, W. of the 4th Mer.  
Area: 80 acres. Character of Coal: Domestic.  
Owner of Property: C. H. Stanley.  
Thickness of Seam: 6 feet.  
Thickness of Cover: 90 feet.  
This mine is at present closed.

*Thomas McKinlay. (Mine No. 921.)*

Mine Office: Trochu.  
Overman: Thomas McKinlay.  
Location of Mine: L.S. 16, Sec. 14, Tp. 33, Rge. 23, W. of the 4th Mer.  
Area: 20 acres. Character of Coal: Domestic.  
Owner of Property: Thomas McKinlay.  
Thickness of Seam: 5 feet 6 inches.  
Thickness of Cover: 70 feet.

*George Paton. (Mine No. 949.)*

Mine Office: Delburne.  
Overman: George Paton.  
Location of Mine: S.E.  $\frac{1}{4}$  Sec. 27, Tp. 37, Rge. 23, W. of the 4th Mer.  
Area: 40 acres. Character of Coal: Domestic.  
Owner of Property: Geo. Paton.  
Thickness of Seam: 5 feet.  
Thickness of Cover: 20 to 100 feet.

*Dennis Blair. (Mine No. 957.)*

Mine Office: Delburne.  
Overman: Dennis Blair.  
Location of Mine: S.E.  $\frac{1}{4}$  Sec. 11, Tp. 38, Rge. 24, W. of the 4th Mer.  
Area: 40 acres. Character of Coal: Domestic.  
Thickness of Seam: 6 feet.  
Thickness of Cover: 10 to 50 feet.

*L. Bobier. (Mine No. 954.)*

Mine Office: Lousana.  
 Overman: Arthur Stievenard.  
 Location of Mine: L.S. 9, Sec. 26, Tp. 36, Rge. 22, W. of the 4th Mer.  
 Area: 20 acres. Character of Coal: Domestic.  
 Thickness of Seam: 4 feet.  
 Thickness of Cover: 300 feet.

*William Bolze. (Mine No. 962.)*

Mine Office: Delburne.  
 Overman: Andrew Duda.  
 Location of Mine: Sec. 2, Tp. 38, Rge. 24, W. of the 4th Mer.  
 Area: 40 acres. Character of Coal: Domestic.  
 Thickness of Seam: 6 feet.  
 Thickness of Cover: 40 feet.

*B. C. Kurp. (Mine No. 967.)*

Mine Office: Delburne.  
 Overman: B. C. Kurp.  
 Location of Mine: Sec. 11, Tp. 38, Rge. 24, W. of the 4th Mer.  
 Area: 20 acres. Character of Coal: Domestic.

## THREE HILLS DISTRICT.—DISTRICT NO. 20.

*Albert Trentham. (Mine No. 113.)*

Mine Office: Three Hills.  
 Overman: Albert Trentham.  
 Mine Surveyor: Robert Hamilton.  
 Location of Mine: L.S. 16, Sec. 26, Tp. 31, Rge. 24, W. of the 4th Mer.  
 Area: 40 acres. Character of Coal: Domestic.  
 Thickness of Seam: 5 feet.  
 Thickness of Cover: 70 feet.

*Ellis Coal Company, Limited. (Mine No. 384.)*

Mine Office: Three Hills.  
 Head Office: Three Hills.  
 Authorized Capital: \$20,000.00.  
 President: Wm. Ellis, Sr.  
 Vice-President: A. McCulloch.  
 Secretary-Treasurer: Wm. Ellis, Jr.  
 Manager: R. Hamilton.  
 Mine Surveyor: R. Hamilton.  
 Location of Mine: S.W.  $\frac{1}{4}$  Sec. 36, Tp. 21, Rge. 24, W. of the 4th Mer.  
 Area: 280 acres. Character of Coal: Domestic.  
 Owner of Property: Union Coal Company, Ltd., Montreal.  
 The seam being worked at this mine has a thickness of  $5\frac{1}{2}$  feet, with sandstone roof and hard fire-clay pavement, cover being 162 feet in thickness.  
 The mine is located at Three Hills, and is entered by means of shafts.  
 System of working is room and pillar, coal being undercut by means of compressed air operated coal-cutting machines of the Radial Post type.  
 Open lights are in use throughout the mine.

*John Lebisto. (Mine No. 444.)*

Mine Office: Twining.  
 Overman: John Lebisto.  
 Mine Surveyor: Norman Fraser.  
 Location of Mine: L.S. 11, Sec. 14, Tp. 31, Rge. 24, W. of the 4th Mer.  
 Area: 40 acres. Character of Coal: Domestic.  
 Thickness of Seam: 4 feet, 3 inches.  
 Thickness of Cover: 61 feet.

*Knee Hill Valley Coal Company, Limited. (Mine No. 445.)*

Mine Office: Twining.  
 Authorized Capital: \$10,000.00.  
 President: J. C. Spencer.  
 Vice-President: John Lebisto.  
 Secretary-Treasurer: D. Chambers.  
 Overman: John Lebisto.  
 Mine Surveyor: R. Hamilton.  
 Location of Mine: L.S. 6, Sec. 14, Tp. 31, Rge. 24, W. of the 4th Mer.  
 Area: 20 acres. Character of Coal: Domestic.  
 Thickness of Seam: 3 feet 4 inches.  
 Thickness of Cover: 56 feet.  
 Owner of Property: Knee Hill Valley Coal Company.

*William T. Trentham. (Mine No. 637.)*

Mine Office: Three Hills.  
 Overman: Wm. Trentham.  
 Mine Surveyor: R. Hamilton.  
 Location of Mine: N.E.  $\frac{1}{4}$  Sec. 22, Tp. 31, Rge. 24, W. of the 4th Mer.  
 Area: 40 acres. Character of Coal: Domestic.  
 Thickness of Seam: 3 feet, 6 inches.  
 Thickness of Cover: 40 feet.

*The Palisade Coal Company, Limited. (Mine No. 811.)*

Mine Office: Three Hills.  
 Authorized Capital: \$60,000.00.  
 President: Sam McVicar.  
 Vice-President: G. A. Johnston.  
 Secretary-Treasurer: J. W. Townshend.  
 Manager: S. McVicar.  
 Mine Surveyor: R. Hamilton.  
 Area: 320 acres. Character of Coal: Domestic.  
 Location of Mine: W.  $\frac{1}{2}$  Sec. 36, Tp. 31, Rge. 24, W. of the 4th Mer.  
 Owner of Property: The Palisade Coal Company, Limited.

The seam being worked at this mine has a thickness of  $5\frac{1}{2}$  feet, with sandstone roof and clay pavement, cover having a thickness of 162 feet.

The mine is entered by means of a slope 384 feet long, on an inclination of 34 degrees.

The system of working is room and pillar, coal being undercut by compressed air operated machines of the Puncher type.

Open lights are used throughout the mine.

## CARBON DISTRICT.—DISTRICT NO. 21.

*Knee Hill Coal Co., Ltd. (Mine No. 53.)*

Mine Office: Carbon.  
 Overman: Chris Johnson.  
 Mine Surveyor: Norman Fraser.  
 Location of Mine: S.W.  $\frac{1}{4}$  Sec. 14, Tp. 29, Rge. 23, W. of the 4th Mer.  
 Area: 320 acres. Character of Coal: Domestic.  
 Thickness of Seam: 4 feet.  
 Thickness of Cover: 20 to 200 feet.  
 (Mine Abandoned.)

*International Construction' & Mining Co. Ltd. (Mine No. 115.)*

Mine Office: Carbon.  
 Overman: A. Fox.  
 Mine Surveyor: Norman Fraser.  
 Location of Mine: L.S. 13, Sec. 12, Tp. 29, Rge. 23, W. of the 4th Mer.  
 Area: 280 acres. Character of Coal: Domestic.  
 Thickness of Seam: 4 feet.  
 Thickness of Cover: 50 to 200 feet.

*Knee Hill Coal Co., Ltd. (Mine No. 194.)*

Mine Office: Ghost Pine Creek.  
 Overman: Julien Lefort.  
 Mine Surveyor: Robert Hamilton.  
 Location of Mine: N.E.  $\frac{1}{4}$  Sec. 4, Tp. 31, Rge. 22, W. of the 4th Mer.  
 Area: 160 acres. Character of Coal: Domestic.  
 Thickness of Seam: 3 feet 6 inches.  
 Thickness of Cover: 60 feet.

*Carbon Coal Co., Ltd. (Mine No. 749.)*

Mine Office: Carbon.  
 Overman: James Fraser.  
 Mine Surveyor: Norman Fraser.  
 Location of Mine: L.S. 15, Sec. 11, Tp. 29, Rge. 23, W. of the 4th Mer.  
 Area: 40 acres. Character of Coal: Domestic.  
 Thickness of Seam: 4 feet.  
 Thickness of Cover: 200 feet.

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*Shannon & Hedberg. (Mine No. 768.)*

Mine Office: Carbon.  
 Overman: Cory Weatherbee.  
 Mine Surveyor: Norman Fraser.  
 Location of Mine: L.S. 1, Sec. 14, Tp. 29, Rge. 23, W. of the 4th Mer.  
 Area: 80 acres. Character of Coal: Domestic.  
 Thickness of Seam: 4 feet.  
 Thickness of Cover: 60 feet.

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*Harry Trentham. (Mine No. 817.)*

Mine Office: Ghost Pine Creek.  
 Overman: Harry Trentham.  
 Mine Surveyor: R. Hamilton.  
 Location of Mine: L.S. 2, Sec. 6, Tp. 31, Rge. 21, W. of the 4th Mer.  
 Area: 40 acres. Character of Coal: Domestic.  
 Thickness of Seam: 5 feet 6 inches.  
 Thickness of Cover: 40 feet.

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*Peerless Carbon Coal Co., Ltd. (Mine No. 851.)*

Mine Office: Carbon.  
 Overman: H. D. McDougall.  
 Mine Surveyor: Norman Fraser.  
 Location of Mine: L.S. 16, Sec. 11, Tp. 29, Rge. 23, W. of the 4th Mer.  
 Area: 850 acres. Character of Coal: Domestic.  
 Thickness of Seam: 4 feet 3 inches.  
 Thickness of Cover: 30 to 200 feet.

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*Henry Ives. (Mine No. 856.)*

Mine Office: Carbon.  
 Overman: James Lundy.  
 Mine Surveyor: Norman Fraser.  
 Location of Mine: L.S. 13 of Sec. 11, Tp. 29, Rge. 23, W. of the 4th Mer.  
 Area: 80 acres. Character of Coal: Domestic.  
 Thickness of Seam: 4 feet.  
 Thickness of Cover: 50 to 200 feet.

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*J. W. Baird. (Mine No. 883.)*

Mine Office: Carbon.  
 Location of Mine: N.E.  $\frac{1}{4}$  of Sec. 15, Tp. 29, Rge. 23, W. of the 4th Mer.  
 Area: 80 acres. Character of Coal: Domestic.  
 Thickness of Seam: 4 feet.  
 (Stripping Pit).

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*W. S. Henderson & B. C. Stringer. (Mine No. 884.)*  
(Closed.)

Location of Mine: N.E.  $\frac{1}{4}$  of Sec. 10, Tp. 29, Rge. 23, W. of the 4th Mer.

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*Smith, Krosby & Feduk. (Mine No. 904.)*

Mine Office: Carbon.  
 Overman: Harry Smith.  
 Location of Mine: L.S. 2 of Sec. 16, Tp. 29, Rge. 23, W. of the 4th Mer.  
 Area: 160 acres. Character of Coal: Domestic.  
 Thickness of Seam: 4 feet 3 inches.  
 Thickness of Cover: 150 feet.



*Knee Hill Coal Co., Ltd. (Mine No. 917.)*

Mine Office: Carbon.  
 Location of Mine: N.W.  $\frac{1}{4}$  of Sec. 14, Tp. 29, Rge. 23, W. of the 4th Mer.  
 (Mine not yet in operation.)

*Charles H. Pattison. (Mine No. 927.)*

Mine Office: Carbon.  
 Overman: C. H. Pattison.  
 Location of Mine: L.S. 2 of Sec. 14, Tp. 29, Rge. 23, W. of the 4th Mer.  
 Area: 20 acres. Character of Coal: Domestic.  
 Thickness of Seam: 4 feet.  
 Thickness of Cover: 70 feet.

*Beaver Coal Co. (Mine No. 958.)*

Mine Office: Carbon.  
 Overman: C. Johnson.  
 Location of Mine: S.  $\frac{1}{2}$  of Sec. 13, Tp. 29, Rge. 23, W. of the 4th Mer.  
 Area: 40 acres. Character of Coal: Domestic.  
 Thickness of Seam: 4 feet.  
 Thickness of Cover: 60 feet.

## BATTLE RIVER DISTRICT.—DISTRICT NO. 22.

*David Orr. (Mine No. 242.)*

Mine Office: Kelsey.  
 Overman: David Orr.  
 Mine Surveyor: Norman Fraser.  
 Location of Mine: L.S. 3, Sec. 15, Tp. 44, Rge. 19, West of the 4th Mer.  
 Area: 20 acres. Character of Coal: Domestic.  
 Thickness of Seam: 3 feet.  
 Thickness of Cover: 40 feet.

*Bish Bros. & Le Gear. (Mine No. 245.)*

Mine Office: Forestburg.  
 Overman: Geo. Le Gear.  
 Mine Surveyor: Norman Fraser.  
 Location of Mine: L.S. 13, Sec. 13, Tp. 40, Rge. 16, W. of the 4th Mer.  
 Area: 80 acres. Character of Coal: Domestic.  
 Thickness of Seam: 7 feet 6 inches.  
 Thickness of Cover: 40 feet.

*John Tyrlik. (Mine No. 251.)*

Mine Office: Heisler.  
 Overman: John Sank.  
 Mine Surveyor: Norman Fraser.  
 Location of Mine: N.E.  $\frac{1}{4}$  Sec. 28, Tp. 42, Rge. 17, W. of the 4th Mer.  
 Area: 40 acres. Character of Coal: Domestic.  
 Thickness of Seam: 5 feet.  
 Thickness of Cover: 80 feet.

*James Bros. (Mine No. 447.)*

Mine Office: Forestburg.  
 Overman: J. J. James.  
 Mine Surveyor: Norman Fraser.  
 Location of Mine: L.S. 12, Sec. 28, Tp. 40, Rge. 15, W. of the 4th Mer.  
 Area: 40 acres. Character of Coal: Domestic.  
 Thickness of Seam: 7 feet 6 inches.  
 Thickness of Cover: 30 feet.

*Colin Stewart. (Mine No. 449.)*  
(Temporarily Closed.)

Mine Office: Forestburg.  
 Location of Mine: L.S. 15, Sec. 36, Tp. 40, Rge. 16, W. of the 4th Mer.  
 Area: 40 acres. Character of Coal: Domestic.  
 Thickness of Seam: 7 feet 6 inches.  
 Thickness of Cover: 38 feet.

*Lee Dickey. (Mine No. 607.)*

Mine Office: Donalda.  
 Overman: Lee Dickey.  
 Mine Surveyor: Norman Fraser.  
 Location of Mine: L.S. 8, Sec. 30, Tp. 41, Rge. 17, W. of the 4th Mer.  
 Area: 20 acres. Character of Coal: Domestic.  
 Thickness of Seam: 6 feet.  
 Thickness of Cover: 80 feet.

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*John Carlson. (Mine No. 609.)*

Mine Office: Donalda.  
 Overman: John Carlson.  
 Mine Surveyor: Norman Fraser.  
 Location of Mine: S.W.  $\frac{1}{4}$  Sec. 22, Tp. 42, Rge. 17, W. of the 4th Mer.  
 Area: 20 acres. Character of Coal: Domestic.  
 Thickness of Seam: 8 feet.  
 Thickness of Cover: 35 feet.

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*Charles F. Martin. (Mine No. 615.)*

Mine Office: Daysland.  
 Overman: Charles F. Martin.  
 Mine Surveyor: Norman Fraser.  
 Location of Mine: L.S. 2, Sec. 28, Tp. 42, Rge. 17, W. of the 4th Mer.  
 Area: 20 acres. Character of Coal: Domestic.  
 Thickness of Seam: 10 feet.  
 Thickness of Cover: 50 feet.

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*Albert Miner. (Mine No. 622.)*

Mine Office: Bawlf.  
 Overman: J. E. Wilkinson.  
 Mine Surveyor: Norman Fraser.  
 Location of Mine: S.W.  $\frac{1}{4}$  Sec. 8, Tp. 43, Rge. 17, W. of the 4th Mer.  
 Area: 20 acres. Character of Coal: Domestic.  
 Thickness of Seam: 5 feet 6 inches.  
 Thickness of Cover: 40 feet.

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*Efner W. Simmons. (Mine No. 666.)*

Mine Office: Forestburg.  
 Overman: Efner W. Simmons.  
 Mine Surveyor: Norman Fraser.  
 Location of Mine: L.S. 16, Sec. 2, Tp. 41, Rge. 16, W. of the 4th Mer.  
 Area: 20 acres. Character of Coal: Domestic.  
 Thickness of Seam: 5 feet 6 inches.  
 Thickness of Cover: 35 feet.

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*Herman Kordisch. (Mine No. 679.)*

Mine Office: Donalda.  
 Overman: Herman Kordisch.  
 Mine Surveyor: Norman Fraser.  
 Location of Mine: L.S. 9, Sec. 32, Tp. 41, Rge. 18, W. of the 4th Mer.  
 Area: 20 acres. Character of Coal: Domestic.  
 Thickness of Coal: 3 feet 6 inches.  
 Thickness of Seam: 30 feet.

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*Albert Young. (Mine No. 704.)*

Mine office: Forestburg.  
 Overman: Albert Young.  
 Mine Surveyor: Norman Fraser.  
 Location of Mine: L.S. 12, Sec. 25, Tp. 40, Rge. 16, W. of the 4th Mer.  
 Area: 20 acres. Character of Coal: Domestic.  
 Thickness of Seam: 7 feet 6 inches.  
 Thickness of Cover: 60 feet.

*Arthur Mitchinson. (Mine No. 719.)*

Mine Office: Donalda.  
Overman: Arthur Mitchinson.  
Mine Surveyor: Norman Fraser.  
Location of Mine: L.S. 1, Sec. 5, Tp. 42, Rge. 16, W. of the 4th Mer.  
Area: 20 acres. Character of Coal: Domestic.  
Thickness of Seam: 3 feet 6 inches.  
Thickness of Cover: 25 feet.

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*C. H. Hanson. (Mine No. 778.)*

Mine Office: Ferry Point.  
Overman: C. H. Hanson.  
Mine Surveyor: Norman Fraser.  
Location of Mine: L.S. 5, Sec. 13, Tp. 43, Rge. 18, W. of the 4th Mer.  
Area: 20 acres. Character of Coal: Domestic.  
Thickness of Seam: 4 feet 6 inches.  
Thickness of Cover: 30 feet.

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*Sebastian Martin. (Mine No. 785.)*

(Closed.)

Mine Office: Forestburg.  
Overman: Sebastian Martin.  
Mine Surveyor: Norman Fraser.  
Location of Mine: L.S. 5, Sec. 33, Tp. 40, Rge. 15, W. of the 4th Mer.  
Area: 20 acres. Character of Coal: Domestic.  
Thickness of Seam: 7 feet.  
Thickness of Cover: 28 feet.

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*Victor Lindquist. (Mine No. 789.)*

(Closed.)

Mine Office: Donalda.  
Overman: Victor Lindquist.  
Mine Surveyor: Norman Fraser.  
Location of Mine: L.S. 5, Sec. 25, Tp. 41, Rge. 18, W. of the 4th Mer.  
Area: 20 acres. Character of Coal: Domestic.  
Thickness of Seam: 4 feet.  
Thickness of Cover: 20 feet.

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*Albert Wisla. (Mine No. 793.)*

Mine Office: Heisler.  
Overman: Jerry Peevey.  
Mine Surveyor: Norman Fraser.  
Location of Mine: L.S. 7, Sec. 3, Tp. 43, Rge. 17, W. of the 4th Mer.  
Area: 20 acres. Character of Coal: Domestic.  
Thickness of Seam: 7 feet.  
Thickness of Cover: 40 feet.

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*C. Fanning. (Mine No. 807.)*

Mine Office: Donalda.  
Overman: C. Fanning.  
Mine Surveyor: Norman Fraser.  
Location of Mine: L.S. 1, Sec. 29, Tp. 41, Rge. 17, W. of the 4th Mer.  
Area: 20 acres. Character of Coal: Domestic.  
Thickness of Seam: 6 feet.  
Thickness of Cover: 40 feet.

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*J. J. King. (Mine No. 828.)*

Mine Office: Edberg.  
Overman: J. J. King.  
Mine Surveyor: Norman Fraser.  
Location of Mine: L.S. 6, Sec. 32, Tp. 43, Rge. 18, W. of the 4th Mer.  
Area: 20 acres. Character of Coal: Domestic.  
Thickness of Seam: 5 feet.  
Thickness of Cover: 20 feet.

*Walter Jackson. (Mine No. 853.)*

Mine Office: Donalda.  
 Overman: J. Jackson.  
 Mine Surveyor: Norman Fraser.  
 Location of Mine: L.S. 14, Sec. 32, Tp. 41, Rge. 18, W. of the 4th Mer.  
 Area: 20 acres. Character of Coal: Domestic.  
 Thickness of Seam: 3 feet 9 inches.  
 Thickness of Cover: 25 feet.

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*J. Mitchinson. (Mine No. 863.)**(Closed.)*

Mine Office: Donalda.  
 Overman: J. Mitchinson.  
 Mine Surveyor: Norman Fraser.  
 Location of Mine: L.S. 2, Sec. 5, Tp. 42, Rge. 18, W. of the 4th Mer.  
 Area: 20 acres. Character of Coal: Domestic.  
 Thickness of Seam: 3 feet 9 inches.  
 Thickness of Cover: 25 feet.

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*G. Erickson. (Mine No. 870.)**(Closed.)*

Mine Office: Donalda.  
 Location of Mine: L.S. 6, Sec. 13, Tp. 43, Rge. 18, W. of the 4th Mer.  
 Area: 20 acres. Character of Coal: Domestic.  
 Thickness of Seam: 5 feet.  
 Thickness of Cover: 25 feet.  
 Not in operation during 1921.

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*D. W. Sand. (Mine No. 872.)**(Closed.)*

Mine Office: Edberg.  
 Location of Mine: N.W.  $\frac{1}{4}$  Sec. 2, Tp. 44, Rge. 19, W. of the 4th Mer.  
 Area: 40 acres. Character of Coal: Domestic.

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*G. H. Enders. (Mine No. 873.)**(Closed.)*

Mine Office: Heisler.  
 Location of Mine: W.  $\frac{1}{2}$  L.S. 7, Sec. 34, Tp. 42, Rge. 17, W. of the 4th Mer.  
 Area: 20 acres. Character of Coal: Domestic.  
 Thickness of Seam: 3 feet 6 inches.  
 Thickness of Cover: 20 feet.

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*J. R. McLean. (Mine No. 874.)*

Mine Office: Forestburg.  
 Overman: J. H. McLean.  
 Mine Surveyor: Norman Fraser.  
 Location of Mine: L.S. 6, Sec. 2, Tp. 41, Rge. 16, W. of the 4th Mer.  
 Area: 20 acres. Character of Coal: Domestic.  
 Thickness of Seam: 6 feet.  
 Thickness of Cover: 30 feet.

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*J. P. Heape. (Mine No. 876.)*

Mine Office: Donalda.  
 Overman: J. P. Heape.  
 Mine Surveyor: Norman Fraser.  
 Location of Mine: N.W.  $\frac{1}{4}$  Sec. 28, Tp. 41, Rge. 17, W. of the 4th Mer.  
 Area: 40 acres. Character of Coal: Domestic.  
 Thickness of Seam: 6 feet.  
 Thickness of Cover: 50 feet.

*F. G. Meek. (Mine No. 911.)*

Mine Office: Heisler.  
Overman: F. G. Meek.  
Mine Surveyor: Norman Fraser.  
Location of Mine: L.S. 1, Sec. 33, Tp. 33, Rge. 17, W. of the 4th Mer.  
Area: 20 acres. Character of Coal: Domestic.  
Thickness of Seam: 4 feet.  
Thickness of Cover: 25 feet.

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*David James. (Mine No. 938.)*

Mine Office: Alliance.  
Location of Mine: Sec. 36, Tp. 40, Rge. 13, W. of the 4th Mer.  
(Mine just opening, no other information concerning this mine to hand.)

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*Thomas Hill. (Mine No. 948.)*

Mine Office: Rosalind.  
Overman: Thomas Hills.  
Mine Surveyor: Norman Fraser.  
Location of Mine: Sec. 8, Tp. 43, Rge. 17, W. of the 4th Mer.  
Area: 20 acres. Character of Coal: Domestic.  
Thickness of Seam: 6 feet.  
Thickness of Cover: 30 feet.

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*Bohme Bros. & Gilles. (Mine No. 952.)*

Mine Office: Forestburg.  
Overman: Ernest Gilles.  
Mine Surveyor: Norman Fraser.  
Location of Mine: L.S. 4, Sec. 33, Tp. 40, Rge. 15, W. of the 4th Mer.  
Area: 20 acres. Character of Coal: Domestic.  
Thickness of Seam: 8 feet 6 inches.  
Thickness of Cover: 25 feet.

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*Martin Bros. & Robinson. (Mine No. 953.)*

Mine Office: Forestburg.  
Overman: Frank Martin.  
Mine Surveyor: Norman Fraser.  
Location of Mine: L.S. 8, Sec. 32, Tp. 40, Rge. 15, W. of the 4th Mer.  
Area: 20 acres. Character of Coal: Domestic.  
Thickness of Seam: 9 feet.  
Thickness of Cover: 24 feet.

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*Muncy Bros. (Mine No. 956.)*

Mine Office: Foreman.  
Overman: M. S. Muncy.  
Mine Surveyor: Norman Fraser.  
Location of Mine: L.S. 2, Sec. 35, Tp. 40, Rge. 16, W. of the 4th Mer.  
Area: 20 acres. Character of Coal: Domestic.  
Thickness of Seam: 5 feet 6 inches.  
Thickness of Cover: 30 feet.

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*Riegel and Hankins. (Mine No. 959.)*

Mine Office: Foreman.  
Overman: Henry Riegel.  
Mine Surveyor: Norman Fraser.  
Location of Mine: L.S. 4, Sec. 11, Tp. 40, Rge. 16, W. of the 4th Mer.  
Area: 20 acres. Character of Coal: Domestic.  
Thickness of Seam: 6 feet.  
Thickness of Cover: 20 feet.

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*Jones & Walton. (Mine No. 960.)*

Mine Office: Forestburg.  
Overman: W. Jones.  
Mine Surveyor: Norman Fraser.  
Location of Mine: L.S. 12, Sec. 31, Tp. 40, Rge. 14, W. of the 4th Mer.  
Area: 20 acres.  
(Mine opening up at the end of 1921.)

*Sheppard Bros. (Mine No. 964.)*

Mine Office: Forestburg.  
 Overman: P. Makarevich.  
 Mine Surveyor: Norman Fraser.  
 Location of Mine: L.S. 9, Sec. 32, Tp. 42, Rge. 15, W. of the 4th Mer.  
 Area: 20 acres. Character of Coal: Domestic.  
 Thickness of Seam: 8 feet.  
 Thickness of Cover: 27 feet.  
 (Mine just opening up.)

## CAMROSE DISTRICT.—DISTRICT NO. 23.

*E. E. Chappell. (Mine No. 215.)*

Mine Office: Dodds.  
 Mine Surveyor: Norman Fraser.  
 Location of Mine: L.S. 6, 7, 8, Sec. 14, Tp. 49, Rge. 18, W. of the 4th Mer.  
 Area: 120 Acres.  
 Thickness of Seam: 6 feet.  
 Thickness of Cover: 12 feet.  
 This mine is worked as a stripping pit.

*The Spicer Coal Company, Limited. (Mine No. 241.)*

Mine Office: Dinant.  
 Head Office: Saskatoon.  
 Manager: John A. McLenhan.  
 Mine Surveyor: J. A. McLenhan.  
 Location of Mine: S.W.  $\frac{1}{4}$  Sec. 18, Tp. 48, Rge. 19, W. of the 4th Mer.  
 Area: 160 acres. Character of Coal: Domestic.  
 The seam being worked has a thickness of 6 feet, with shale roof and clay pavement the cover being 30 feet in thickness.  
 The mine is connected by a spur to the Edmonton-Calgary Branch of the Grand Trunk Pacific Railway.  
 The mine is entered by a slope, and is worked on the room and pillar system.  
 Open lights are used throughout the mine.

*Stoney Creek Collieries, Limited. (Mine No. 244.)*

Mine Office: Camrose.  
 President: F. Adams.  
 Directors: F. L. Farley, E. L. Scotwold, D. Twomey.  
 Managing Director: D. Twomey.  
 Overman: D. S. Williamson.  
 Mine Surveyor: Norman Fraser.  
 Location of Mine: S.E.  $\frac{1}{4}$  Sec. 33, Tp. 46, Rge. 20, W. of the 4th Mer.  
 Area: 200 acres. Character of Coal: Domestic.  
 Thickness of Seam: 4 feet 6 inches.  
 Thickness of Cover: 82 feet.  
 The plant has a capacity of 50 tons per day.  
 The improvements since 1916 consists of a new airshaft.

*Round Hill Collieries, Limited. (Mine No. 250.)*

Mine Office: Round Hill.  
 Secretary-Treasurer: J. Twomey.  
 Mine Surveyor: Norman Fraser.  
 Location of Mine: S.E.  $\frac{1}{4}$  Sec. 30, Tp. 48, Rge. 18, W. of the 4th Mer.  
 Area: 80 acres. Character of Coal: Domestic.  
 Thickness of Seam: 7 feet.  
 Thickness of Cover: 18 feet.  
 Stripping pit.

*Canadian Dinant Coal Company, Limited. (Mine No. 374.)*

Mine Office: Dinant.  
 Head Office: Dinant.  
 President: J. S. McGuire.  
 Secretary-Treasurer: J. M. Halbert.  
 Managing Director: M. Cranston.  
 Manager: M. Cranston.  
 Overman: M. Cranston.  
 Mine Surveyor: Norman Fraser.

Location of Mine: N.E.  $\frac{1}{4}$ , Sec. 12, Tp. 48, Rge. 20, W. of the 4th Mer.

Area: 130 acres.

Owner of Property: Canadian Dinant Coal Company, Limited.

Thickness of Seam: 6 feet.

This mine is connected to the Edmonton-Calgary Branch of the Grand Trunk Pacific railway by means of a spur one mile in length.

The mine is entered by means of a slope driven on an inclination of 33 degrees, up which the mine cars are hoisted to the tibble by a steam-driven hoist.

The tibble is equipped with shaker screen, and has a capacity of 250 tons per day.

Open lights are used throughout the mine, which is worked on the room and pillar system.

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*H. Burnstadt. (Mine No. 724.)*

Mine Office: Round Hill.

Location of Mine: S.W.  $\frac{1}{4}$ , Sec. 14, Tp. 48, Rge. 18, W. of the 4th Mer.

Area: 40 acres.

Character of Coal: Domestic.

Thickness of Seam: 6 feet.

Thickness of Cover: 10 feet.

Stripping pit.

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*M. T. Goss. (Mine No. 760.)*

Mine Office: Round Hill.

Overman: Fred Holowatiuk.

Location of Mine: L.S. 3, Sec. 30, Tp. 48, Rge. 18, W. of the 4th Mer.

Thickness of Seam: 6 feet.

Thickness of Cover: 42 feet.

Character of Coal: Domestic.

Shaft Mine.

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*H. Sharkey. (Mine No. 878.) (Closed.)*

Location of Mine: River Lot 26, Tp. 46, Rge. 21, W. of the 4th Mer.

Area: 10 acres.

Character of Coal: Domestic.

Thickness of Seam: 6 feet.

Thickness of Cover: 30 feet.

Stripping pit.

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*F. A. Brandt. (Mine No. 971.)*

Location of Mine: S.E.  $\frac{1}{4}$ , Sec. 28, Tp. 46, Rge. 20, W. of the 4th Mer.

Area: 160 acres.

Character of Coal: Domestic.

Thickness of Seam: 6 feet.

Thickness of Cover: 16 feet.

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TOFIELD DISTRICT.—DISTRICT NO. 24.

*J. J. McDevitt. (Mine No. 149.)*

Mine Office: Tofield.

Overman: J. J. McDevitt.

Mine Surveyor: C. C. Sutherland.

Location of Mine: S.W.  $\frac{1}{4}$  Sec. 24, Tp. 50, Rge. 19, W. of the 4th Mer.

Area: 40 acres.

Character of Coal: Domestic.

Thickness of Seam: 8 feet.

Thickness of Cover: 14 feet.

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*Tofield Coal Company, Limited. (Mine No. 252.)*

Mine Office: Tofield.

Head Office: Benson Block, Edmonton.

Authorized Capital: \$250,000.00.

President: Robert Lee.

Vice-President: W. I. Crafts.

Directors: R. Lee, W. I. Crafts, C. Gallinger.

Secretary-Treasurer: C. Gallinger.

Mine Surveyor: Driscoll & Knight.

Location of Mine: Sec. 26, Tp. 50, Rge. 19, W. of the 4th Mer.

Area: 640 acres.

Character of Coal: Domestic.

Thickness of Seam: 7½ feet.

Thickness of Cover: 16 feet.

A stripping pit; overburden removed by a Marion steam shovel. Railway cars loaded by means of wheelbarrows.

The plant has a capacity of 450 tons per day.

*The Dobell Coal Company, Limited. (Mine No. 340.)*

Mine Office: Tofield.  
 Head Office: 138 St. Peter's St., Quebec.  
 Authorized Capital: \$50,000.00.  
 President: W. M. Dobell.  
 Vice-President: A. E. Doucet.  
 Directors: W. M. McPherson, Lorenzo Evans, R. Reid Dobell, T. R. Henderson.  
 Secretary-Treasurer: F. O. Judge.  
 Managing Director: T. R. Henderson.  
 Mine Surveyor: Thomas R. Henderson.  
 Location of Mine: S.E.  $\frac{1}{4}$ , Sec. 35, Tp. 50, Rge. 19, W. of the 4th Mer.  
 Area: 240 acres. Character of Coal: Domestic.  
 Thickness of Seam: 8 feet.  
 Thickness of Cover: 14 feet.

A stripping pit, overburden removed with a steam shovel. Railway cars loaded by means of wheelbarrows.

The plant has a capacity of 450 tons per day

*CLOVER BAR DISTRICT.—DISTRICT NO. 25.**Frederick Thomas Fudge. (Mine No. 8.)*

Overman: F. T. Fudge.  
 Location of Mine: N.E.  $\frac{1}{4}$  Sec. 7, Tp. 53, Rge. 23, W. of the 4th Mer.  
 Area: 15 acres. Character of Coal: Domestic.  
 Thickness of Seam: 7 feet.  
 Thickness of Cover: 70 feet.

*Clover Bar Mine Coal Company. (Mine No. 9.)*

Mine Office: Beverly.  
 Manager: G. Bilson.  
 Overman: G. Bilson.  
 Mine Surveyor: D. Jones.  
 Location of Mine: Sec. 18, Tp. 53, Rge. 23, W. of the 4th Mer.  
 Area: 815 acres. Character of Coal: Domestic.  
 Thickness of Seam: 7 feet.  
 Thickness of Cover: 65 feet.

Shaft mine. The hoisting shaft is divided into two compartments and is equipped with self-dumping cages.

The plant has a capacity of 250 tons per day.

Improvements since 1916 consist of tail rope haulage underground, belt driven electric motor 125 H.P. D.C. motor 47.5 amps 250 volts, 60 lockers in wash-house, 35 new mine cars.

Electrical power supplied by the Humberstone Coal Company, Limited.

*The Humberstone Coal Company, Limited. (Mine No. 43.)*

Mine Office: Beverly.  
 President: Mrs. Beata Humberstone.  
 Secretary: C. G. Sheldon.  
 General Manager: Mrs. Beata Humberstone.  
 Manager: C. J. Ferguson.  
 Overman: W. Miller.  
 Mine Surveyor: R. H. Cautley.  
 Examiners: G. Thom, W. Dunn.  
 Location of Mine: L.S. 15, Sec. 7, Tp. 53, Rge. 23, W. of the 4th Mer.  
 Area: 200 acres. Character of Coal: Domestic.  
 Thickness of Seam: 7 feet.  
 Thickness of Cover: 50 to 125 feet.

Shaft mine, coal hoisted in self-dumping skips and dumped over a shaker screen. Underground haulage is on the endless rope single track system, the engine being located on the surface.

The mine is worked on the room and pillar system, the coal being undercut by compressed air coal-cutting machines of the Post Radial and Puncher type.

Open lights are used throughout the mine.



*The Bush Mine Coal Company, Limited. (Mine No. 46.)*

Mine Office: Beverly.  
 Authorized Capital: \$45,000.00.  
 President: C. E. Laderoute.  
 General Manager: H. S. Southgate.  
 Manager: N. Fraser.  
 Secretary-Treasurer: H. S. Southgate.  
 Overman: R. Hedges.  
 Mine Surveyor: N. Fraser.  
 Examiner: W. Wilcox.  
 Location of Mine: River Lot 42, Edmonton.  
 Area: 210 acres. Character of Coal: Domestic.  
 Thickness of Seam: 6 feet.  
 Thickness of Cover: 50 to 120 feet.  
 Owner of Property: Magrath & Holgate.

Coal hauled from mine to tippie by means of an underground slope to the surface, and an incline above ground from mouth of slope to the tippie. Underground haulage from bottom of slope consists of main and tail rope system, and horses from inside workings to the siding.

The system of working is room and pillar, no coal-cutting machines being used. The tippie is equipped with bar screens, and has a capacity of 300 tons per day. Open lights are used throughout the mine.

*Keith & Fulton. (Mine No. 69.)*

Mine Office: Clover Bar.  
 Overman: J. Mather.  
 Mine Surveyor: A. C. Dunn.  
 Location of Mine: L.S. 16, Sec. 7, Tp. 53, Rge. 23, W. of the 4th Mer.  
 Area: 40 acres. Character of Coal: Domestic.  
 Thickness of Seam: 7 feet.  
 Thickness of Cover: 9 feet to 100 feet.  
 Output is 60 tons per day.

*Fraser-McKay Collieries, Limited. (Mine No. 90.)*

Mine Office: Clover Bar.  
 Head Office: 10055 101st Street, Edmonton.  
 Authorized Capital: \$20,000.00.  
 President: Norman Fraser.  
 General Manager and Secretary-Treasurer: W. C. MacKay.  
 Manager: N. Fraser.  
 Overman: R. Dalziel.  
 Mine Surveyor: N. Fraser.  
 Location of Mine: L.S. 12, Sec. 8, Tp. 53, Rge. 23, W. of the 4th Mer.  
 Area: 160 acres. Character of Coal: Domestic.  
 Thickness of Seam: 7 feet.  
 Thickness of Cover: 10 to 100 feet.  
 This mine is located at Clover Bar, and is entered by a shaft 100 feet deep, used for hoisting coal, and a drift driven from the flats near the river used as traveling way.  
 The shaft is equipped with self-dumping cages, the coal passing over a shaker screen, making three sizes.  
 The mine is worked on the room and pillar system, no coal-cutting machines being used.  
 Open lights are in use throughout the mine.  
 Improvements are as follows:  
 Wash-house equipped with hangers, sprays and wash-basins, also a new boarding house built.

*R. P. Ottewell Coal Mine. (Mine No. 91.)*

Mine Office: Clover Bar.  
 Overman: W. J. Ottewell.  
 Mine Surveyor: A. C. Dunn.  
 Location of Mine: S.W.  $\frac{1}{4}$  Sec. 17, Tp. 53, Rge. 23, W. of the 4th Mer.  
 Area: 140 acres. Character of Coal: Domestic.  
 Thickness of Seam: 6 feet.  
 Thickness of Cover: 80 feet.  
 This mine is entered by drifts driven in from the river bank.

*The Great West Coal Company, Limited. (Mine No. 99.)*

Head Office: 10026 101A Avenue, Edmonton.  
 Authorized Capital: \$150,000.00  
 President: J. C. Dunn.  
 Directors: A. C. Dunn, W. S. Cupples.  
 Secretary-Treasurer: Thos. S. Campbell.  
 Manager: A. C. Dunn.  
 Overman: John Russell.  
 Mine Surveyor: A. C. Dunn.  
 Location of Mine: S.E.  $\frac{1}{4}$ , Sec. 7, Tp. 53, Rge. 23, W. of the 4th Mer.  
 Area: 1,118 acres. Character of Coal: Domestic.  
 Thickness of Seam: 6 feet 3 inches.  
 Thickness of Cover: 160 feet.

This mine is located at Clover Bar, and is entered by a slope from the prairie, also by drifts from the river bank.

The system of working is room and pillar, the coal being undercut by electrically operated coal-cutting machines of the Chain type.

Haulage on the main slope is by steam-driven hoist, on the entry to bottom of slope by Mancha electric storage battery locomotive, horses being used for gathering from the working faces.

The tippie is equipped with rotary dumps, and shaker screens. The slack is elevated to a height of 60 feet by a bucket conveyor, and is screened through a Rotary screen.

The plant has a capacity of 800 tons per day, the mine cars holding 1,500 lbs. Open lights are used throughout the mine.

*McIntyre & Son. (Mine No. 699.)*

Mine Office: Clover Bar.  
 Head Office: 10155 100A Street, Edmonton.  
 Authorized Capital: \$20,000.00.  
 President: R. L. McIntyre.  
 Vice-President: G. N. McIntyre.  
 Secretary-Treasurer: J. Birchall.  
 General Manager: A. E. Nickerson.  
 Manager: J. Finlayson.  
 Overman: L. Parker.  
 Mine Surveyor: R. H. Cautley.  
 Location of Mine: L.S. 15, Sec. 8, Tp. 53, Rge. 23, W. of the 4th Mer.  
 Thickness of Seam: 6 feet. Character of Coal: Domestic.  
 Thickness of Cover: 125 feet.

The surface plant consists of a Marcus screen, grading the coal into lump, kitchen, nut, egg, and slack sizes.

The plant has a capacity of 600 tons per day.

The system of working is room and pillar, the coal being undercut by compressed air machines of the Radial Post type. The shaft is equipped with two self-dumping cages.

A brick building has been erected, which contains office, hoist house and boiler room.

Open lights are in use throughout the mine.

*Ferndale Collieries. (Mine No. 707.)*

Mine Office: Beverly.  
 Head Office: 1304 Williamson Block, Edmonton.  
 Authorized Capital: \$50,000.00.  
 President: W. H. Duggan.  
 Directors: D. Minorgan, R. L. Armstrong, G. Jones, S. Rees, J. Hunter.  
 Secretary-Treasurer: T. C. King.  
 Manager: W. H. Duggan.  
 Overman: H. Hunter.  
 Mine Surveyor: W. H. Duggan.  
 Location of Mine: River Lots 36, 38, 40, Edmonton Settlement.  
 Thickness of Seam: 4 feet 6 inches.  
 Thickness of Cover: 95 feet.  
 Character of Coal: Domestic.

Tippie in course of construction will be equipped with shaker screen, the coal being hoisted in self-dumping cages. The plant will be operated by electrical power, which will be purchased from the City of Edmonton.

## EDMONTON DISTRICT.—DISTRICT NO. 26.

*Big Island Coal Company. (Mine No. 24.)*

Mine Office: R.R. No. 3, Edmonton South.  
 Overman: W. Abell.  
 Mine Surveyor: D. Jones.  
 Location of Mine: L.S. 12, Sec. 20, Tp. 51, Rge. 25, W. of the 4th Mer.  
 Area: 57½ acres. Character of Coal: Domestic.  
 Thickness of Seam: 5 feet.  
 Thickness of Cover: 100 feet.

*Steve Pohlko. (Mine No. 29.)*

Mine Office: Edmonton South.  
 Overman: Steve Pohlko.  
 Mine Surveyor: D. Jones.  
 Location of Mine: L.S. 13, Sec. 25, Tp. 51, Rge. 23, W. of the 4th Mer.  
 Area: 640 acres. Character of Coal: Domestic.  
 Thickness of Seam: 5 feet.  
 Thickness of Cover: 115 feet.

*McPeak Coal Company. (Mine No. 49.)*

Mine Office: Cor. 112th Ave. and 76th St., Edmonton.  
 Overman: W. Williams.  
 Mine Surveyor: D. Jones.  
 Location of Mine: River Lot 26, Edmonton.  
 Area: 35 acres. Character of Coal: Domestic.  
 Thickness of Seam: 5 feet.  
 Thickness of Cover: 100 to 200 feet.

*Edmonton Collieries Limited. (Mine No. 147.)*

Mine Office: 92nd St., Fraser Flats.  
 Head Office: 10206 103rd Street, Edmonton.  
 Authorized Capital: \$50,000.00.  
 President: C. W. Rickard.  
 Secretary-Treasurer: C. W. Leonard.  
 Directors: C. W. Leonard, C. W. Rickard, W. H. Duggan.  
 Manager: W. H. Duggan.  
 Overman: W. H. Duggan.  
 Mine Surveyor: W. H. Duggan.  
 Location of Mine: River Lot 18 and 20, Edmonton Settlement.  
 Thickness of Seam: 6 feet.  
 Thickness of Cover: 100 feet. Character of Coal: Domestic.  
 Two shafts 100 feet deep, 14 ft. x 7 ft., and 8 ft. x 5 ft. respectively.  
 Underground haulage is on the main and tail rope system with engine on surface.  
 The surface plant consists of a 30-H.P. electrically operated hoist, a 22-H.P. electrically operated main and tail rope haulage engine, the tippie being equipped with shaker screens.

The room and pillar system of working is adopted, the coal being undercut by electrically operated Ironclad coal-cutting machines of the chain type. All electrical power is purchased from the City of Edmonton.

Safety lamps of the Wolf Flame type are in use throughout the mine.

*Dawson Coal Company, Limited. (Mine No. 155.)*

Head Office: McDougall Court, Edmonton.  
 Authorized Capital: \$30,000.00.  
 General Manager and Secretary-Treasurer: C. A. Hyndman.  
 Overman: T. Strickland.  
 Mine Surveyor: N. Fraser.  
 Location of Mine: River Lot 25, Edmonton.  
 Area: 160 acres. Character of Coal: Domestic.  
 Thickness of Seam: 5 feet 6 inches.  
 Thickness of Cover: 90 feet to 250 feet.

The mine is entered by shafts, and is worked on the room and pillar system, the coal being undercut by compressed air coal-cutting machines of the Radial Post type.

*Crown Coal Company, Limited. (Mine No. 632.)*

Mine Office: 10631 92nd St., Edmonton.  
 Head Office: 10351 82nd Street, Edmonton.  
 Authorized Capital: \$50,000.00.  
 President: James H. Dowdell.  
 Directors: J. H. Dowdell, A. B. Singleton, J. H. Starkey.  
 Manager: James Clyne.  
 Overman: James Clyne.  
 Mine Surveyor: C. C. Sutherland.  
 Location of Mine: River Lot 20, Edmonton Settlement.  
 Area: 129.66 acres. Character of Coal: Domestic.  
 Owner: Department of Justice, Canada.

This mine is connected to the Canadian National Railway by a spur 660 feet long. The depth of the two shafts on this property is 247 feet. Self-dumping cages are in use for hoisting the coal to the tippie, which is equipped with a rotary screen.

The mine is worked on the room and pillar system, all coal being undercut by electrically operated Ironclad coal-cutting machines of the Chain type.

All electrical power for operating the hoist, screens, and pumping is purchased from the City of Edmonton.

*Rudolph Brothers. (Mine No. 720.)*

Mine Office: Strathcona.  
 Overman: Emil Rudolph.  
 Location of Mine: L.S. 13, Sec. 5, Tp. 51, Rge. 25, W. of the 4th Mer.  
 Area: 20 acres. Character of Coal: Domestic.  
 Thickness of Seam: 5 feet 6 inches.  
 Thickness of Cover: 50 to 200 feet.

*Pete Pawlina. (Mine No. 798.)*

Mine Office: Edmonton South.  
 Overman: F. Felbel.  
 Location of Mine: L.S. 8, Sec. 35, Tp. 50, Rge. 26, W. of the 4th Mer.  
 Area: 20 acres. Character of Coal: Domestic.  
 Thickness of Seam: 5 feet 6 inches.  
 Thickness of Cover: 10 to 150 feet.

*Kuhnert, Hiller & Hine. (Mine No. 837.)*

Mine Office: Strathcona.  
 Overman: Herman Kuhnert.  
 Location of Mine: S.W. 4, Sec. 6, Tp. 51, Rge. 25, W. of the 4th Mer.  
 Area: 11½ acres. Character of Coal: Domestic.  
 Thickness of Seam: 4 feet 6 inches.  
 Thickness of Cover: 10 to 150 feet.

*J. H. Farnell. (Mine No. 865.)*

Mine Office: Big Island.  
 Location of Mine: L.S. 11, Sec. 29, Tp. 51, Rge. 25, W. of the 4th Mer.  
 Area: 20 acres. Character of Coal: Domestic.  
 Thickness of Seam: 5 feet.  
 Thickness of Cover: 10 to 100 feet.  
 Mine not operating at present.

*Silvano Centazzo. (Mine No. 868.)*

Mine Office: R.R. No. 3, Strathcona.  
 Overman: Silvano Centazzo.  
 Mine Surveyor: D. Jones.  
 Location of Mine: L.S. 4 and 6, Sec. 21, Tp. 51, Rge. 25, W. of the 4th Mer.,  
 Thickness of Seam: 5 feet 6 inches.  
 Thickness of Cover: 10 to 80 feet.

*J. Reed & T. Brown. (Mine No. 869.)*

Head Office: 74th Street, 109th Avenue, Edmonton.

Authorized Capital: \$25,000.00.

President: J. H. Reed.

Vice-President: Thomas Brown.

Manager: Thomas Brown.

Overman: Thomas Brown.

Mine Surveyor: Thomas Brown.

Location of Mine: River Lot 16, Edmonton Settlement.

Thickness of Seam: 5 feet.

Thickness of Cover: 70 to 150 feet.

The plant consists of one 15-H.P. electrical double drum hoist, one self-dumping cage, one balance cage, double compartment shaft 6 x 12 feet. The screening plant consists of bar screen, and a shaker screen with perforated plates.

Mine not connected to any railway.

All electrical power for hoisting, etc., is purchased from the City of Edmonton.

Open lights are used throughout the mine.

*Edmonton Cartage Company, Limited. (Mine No. 877.)*

Mine Office: 8103 103rd Street, Edmonton.

Overman: S. D. McDermid.

Location of Mine: N.W.  $\frac{1}{4}$ , Sec. 25, Tp. 51, Rge. 25, W. of the 4th Mer.

Area: 40 acres.

Character of Coal: Domestic.

Thickness of Seam: 5 feet.

Thickness of Cover: 100 feet.

*Thomas Tancowny. (Mine No. 886.)*

Mine Office: Calmar.

Location of Mine: L.S. 13, Sec. 26, Tp. 50, Rge. 27, W. of the 4th Mer.

Area: 20 acres.

Character of Coal: Domestic.

Thickness of Seam: 6 feet.

Thickness of Cover: 80 feet.

Mine not operating at present.

*Magnus Pearson. (Mine No. 888.)*

Mine Office: Calmar.

Overman: Magnus Pearson.

Mine Surveyor: D. Jones.

Location of Mine: L.S. 6, Sec. 36, Tp. 50, Rge. 27, W. of the 4th Mer.

Area: 20 acres.

Character of Coal: Domestic.

Thickness of Seam: 6 feet.

Thickness of Cover: 100 feet.

*J. Ordza & I. Thomas. (Mine No. 892.)*

Mine Office: Edmonton.

Location of Mine: River Lot 23a, Edmonton Settlement.

Area: 20 acres.

Character of Coal: Domestic.

Thickness of Seam: 6 feet.

Thickness of Cover: 10 to 80 feet.

*R. H. Bishop. (Mine No. 908.)*

Mine Office: Millet.

Overman: R. H. Bishop.

Location of Mine: N.  $\frac{1}{2}$  L.S. 1, N.E.  $\frac{1}{4}$  L.S. 2, Sec. 4, Tp. 48, Rge. 27, W. of the 4th Mer.

Area: 30 acres.

Character of Coal: Domestic.

Thickness of Seam: 5 feet.

Thickness of Cover: 40 feet.

*Dominic Falvo. (Mine No. 922.)*

Mine Office: R.R. No. 3, Strathcona.

Overman: D. Falvo.

Location of Mine: L.S. 4, 6, 11, Sec. 28, Tp. 51, Rge. 25, W. of the 4th Mer.

Area: 80 acres.

Character of Coal: Domestic.

Thickness of Seam: 5 feet.

Thickness of Cover: 10 to 80 feet.

*J. M. Quebec. (Mine No. 933.)*

Mine Office: Edmonton South.  
 Overman: J. J. Goodwin.  
 Location of Mine: L.S. 1 and S.E.  $\frac{1}{4}$ , L.S. 3, Sec. 29, Tp. 51, Rge. 25, W. of the 4th Mer.  
 Area: 50 acres. Character of Coal: Domestic.  
 Thickness of Seam: 5 feet.  
 Thickness of Cover: 10 to 100 feet.

*Arndt, Lengert & Schuetze. (Mine No. 939.)*

Mine Office: Edmonton South.  
 Overman: H. Lengert.  
 Location of Mine: L.S. 1, Sec. 35, Tp. 50, Rge. 26, W. of the 4th Mer.  
 Area: 20 acres. Character of Coal: Domestic.  
 Thickness of Seam: 4 feet.  
 Thickness of Cover: 10 to 100 feet.

*Belmont Coal Company, Limited. (Mine No. 943.)*

Mine Office: Edmonton.  
 Overman: D. Muir.  
 Location of Mine: L.S. 3 and 4, Sec. 11, Tp. 54, Rge. 24, W. of the 4th Mer.  
 Area: 40 acres. Character of Coal: Domestic.  
 Mine just opening up by means of a slope.

*Matte & Wierzba. (Mine No. 950.)*

Mine Office: Leduc.  
 Overman: M. Nimko.  
 Location of Mine: L.S. 5, Sec. 16, Tp. 51, Rge. 25, W. of the 4th Mer.  
 Area: 20 acres. Character of Coal: Domestic.  
 Thickness of Seam: 4 feet.  
 Thickness of Cover: 40 to 200 feet.

*Larson & Berry. (Mine No. 961.)*

Mine Office: Holborne.  
 Location of Mine: L.S. 16, Sec. 34, Tp. 50, Rge. 1, W. of the 5th Mer.  
 Mine just opening up.

## NAMAQ DISTRICT.—DISTRICT NO. 27.

*Sturgeon Valley Collieries, Limited. (Mine No. 101.)*

Location of Mine: Sec. 9, Tp. 53, Rge. 24, W. of the 4th Mer.  
 Area: 160 acres. Character of Coal: Domestic.  
 Thickness of Seam:  $5\frac{1}{2}$  feet.  
 Thickness of Cover: 68 feet.  
 Mine closed.

*Frank Smith. (Mine No. 389.)*

Overman: F. Smith.  
 Location of Mine: N.E.  $\frac{1}{4}$ , Sec. 8, Tp. 55, Rge. 24, W. of the 4th Mer.  
 Area: 20 acres. Character of Coal: Domestic.  
 Thickness of Seam: 5 feet 8 inches.  
 Thickness of Cover: 50 feet.

*The Kelly Coal Company, Limited. (Mine No. 397.)*

Mine Office: 10369 95th Street, Edmonton.  
 Overman: J. Bainbridge.  
 Mine Surveyor: T. B. Williams.  
 Location of Mine: S.E.  $\frac{1}{4}$  Sec. 8, Tp. 55, Rge. 24, W. of the 4th Mer.  
 Area: 160 acres. Character of Coal: Domestic.  
 Thickness of Seam: 5 feet.  
 Thickness of Cover: 10 to 90 feet.

*Mrs. E. Kelly. (Mine No. 428.)*

Mine Office: Namao.  
Head Office: 10740 126th Street, Edmonton.  
Manager: E. Sparrow.  
Overman: E. Sparrow.  
Mine Surveyor: D. Jones.  
Location of Mine: N.E.  $\frac{1}{4}$  Sec. 8, Tp. 55, Rge. 24, W. of the 4th Mer.  
Area: 160 acres. Character of Coal: Domestic.  
Shipping coal by railway, output 100 tons per day.

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*Cardiff Collieries Limited. (Mine No. 32.)*

Mine Office: Cardiff.  
Head Office: Winnipeg.  
Authorized Capital: \$700,000.00.  
President: J. M. de C. O'Grady.  
Secretary: A. Cooper.  
Manager: D. Jones.  
Overman: E. Roberts.  
Surveyor: D. Jones.  
Location of Mine: N.W.  $\frac{1}{4}$  Sec. 24, Tp. 55, Rge. 25, W. of the 4th Mer.  
Area: 630 acres. Character of Coal: Domestic.  
Thickness of Seam: 16 feet.  
Thickness of Cover: 30 feet.  
Owner of Property: Cardiff Collieries Limited, Winnipeg, Man.  
Output of coal, 300 tons per day.  
No improvements to date.

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*Alberta Coal Mining Company, Limited. (Mine No. 129.)*

Mine Office: Cardiff.  
Head Office: Room 36 Bank of Montreal Bldg., Edmonton  
Authorized Capital: \$250,000.00.  
President: J. L. Bell.  
Vice-President: W. L. Carter.  
Secretary-Treasurer: Geo. S. Montgomery.  
Directors: Geo. S. Montgomery, J. L. Bell, W. L. Carter.  
General Manager: Geo. S. Montgomery.  
Manager: D. Jones.  
Overman: Gus. Ostheidt.  
Mine Surveyor: D. Jones.  
Location of Mine: N.E.  $\frac{1}{4}$  Sec. 23, Tp. 55, Rge. 25, W. of the 4th Mer.  
Area: 320 acres. Character of Coal: Domestic.  
Thickness of Seam: 16 feet.  
Thickness of cover: 40 feet.

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*The Banner Coal Company, Limited. (Mine No. 237.)*

Mine Office: Cardiff.  
Head Office: Room 20, Sandison Block, Edmonton.  
Manager: J. A. H. Church.  
Overman: W. Gilliland.  
Mine Surveyor: J. A. H. Church.  
Location of Mine: S.W.  $\frac{1}{4}$  Sec. 24, Tp. 55, Rge. 25, W. of the 4th Mer.  
Area: 160 acres. Character of Coal: Domestic.  
Thickness of Seam: 12 feet.  
Thickness of Cover: 43 feet.  
Shaft mine. Underground haulage. Main and tail rope.  
Output of coal 250 tons per day.

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*Peter R. Logan. (Mine No. 926.)*

Mine Office: Morinville.  
Overman: Walter Bradley.  
Location of Mine: N.E.  $\frac{1}{4}$  Sec. 36, Tp. 56, Rge. 26, W. of the 4th Mer.  
Mine just opening up.

## WABAMUN DISTRICT.—DISTRICT NO. 29.

*Lakeside Coals Limited. (Mine No. 419.)*

Mine Office: Wabamun.  
 Head Office: 711 Tegler Bldg., Edmonton.  
 Authorized Capital: \$300,000.00.  
 President: E. A. McBain.  
 Vice-President: G. R. Roberts.  
 Secretary: W. W. McBain.  
 Managing Director: W. W. McBain.  
 Manager and Mine Surveyor: A. B. Hunter.  
 Location of Mine: L.S. 15, Sec. 9, Tp. 53, Rge. 4, W. of the 5th Mer.  
 Area: 680 acres. Character of Coal: Domestic.  
 Thickness of Seam: 28 feet.  
 Thickness of Cover: 50 to 120 feet.

Only the lower 7 feet of this seam is worked, the upper part being composed of dirty coal, and shale is left up for a roof.

The plant has a capacity of 250 tons per day.

Improvements from 1916 to date are new electric motors on fan and tippie, and a new fan house.

## PEMBINA DISTRICT.—DISTRICT NO. 30.

*North American Collieries, Limited. (Mine No. 227.)*

Mine Office: Evansburg.  
 Head Office: 908 Lancaster Bldg., Calgary.  
 Authorized Capital: \$1,000,000.00.  
 President: H. A. Lovett, K.C.  
 Vice-President: Hugh Mackay.  
 Directors: J. W. Pyke, R. M. Ballantyne, H. Curry, J. M. Mackie.  
 Secretary-Treasurer: W. W. Berridge.  
 General Manager: W. J. Dick.  
 Manager: John A. McLeod.  
 Overman: P. Melling.  
 Mine Surveyor: J. A. McLeod.  
 Location of Mine: S.E.  $\frac{1}{4}$  Sec. 30, Tp. 53, Rge. 7, W. of the 5th Mer.  
 Area: 10,800 acres. Character of Coal: Domestic.  
 Thickness of Seam: 7 feet 6 inches.  
 Thickness of Cover: 308 feet.

Owner of Property: North American Collieries, Limited.

This mine is located at Evansburg, about sixty miles west of Edmonton, on the Grand Trunk Pacific and Canadian National Railways.

It is entered by two shafts, the hoisting shaft being a 2-compartment shaft equipped with self-dumping cages.

The plant has a capacity of 1,000 tons per day.

The following additions and improvements have been made to the plant:

A new office and warehouse, additions to wash-house and power-house, thirty-five new cottages, community hall, a new hotel with sixty rooms, one 125-K.W. Curtis Turbine operated generator, and two storage battery electric locomotives.

The tippie and screening plant were destroyed in 1917, but have been completely rebuilt and equipped.

*J. H. Barker. (Mine No. 935.)*

Mine Office: Gainford.  
 Location of Mine: E.  $\frac{1}{4}$  of Sec. 36, Tp. 53, Rge. 6, W. of the 4th Mer.  
 Character of Coal: Domestic.  
 Mine just opening up.

## JASPER PARK DISTRICT.—DISTRICT NO. 31.

*Jasper Park Collieries, Limited. (Mine No. 280.)*

Mine Office: Pocahontas.  
 Head Office: 1606 Alworth Bldg., Duluth, Minn.  
 Location of Mine: L.S. 9, Sec. 6, Tp. 49, Rge. 27, W. of the 5th Mer.  
 Area: 7,689 acres. Character of Coal: Bituminous.  
 This mine was abandoned in May, 1921.



*Blue Diamond Coal Company, Limited. (Mine No. 429.)*

Mine Office: Brule Mines.

Head Office: Toronto, Ontario.

Authorized Capital: \$1,500,000.00.

President: J. P. Bickell.

Vice-President: W. J. Sheppard.

Secretary-Treasurer: H. G. Laux.

Directors: J. P. Bickell, W. J. Sheppard, J. B. Tudhope, N. S. Dunlop, Strachan Johnson.

General Manager: Gordon F. Dickson.

Manager: W. G. Heeley.

Overmen: T. J. Shaw, T. Thompson.

Mine Surveyor: J. H. Cummings.

Location of Mine: L.S. 1, Sec. 16, Tp. 50, Rge. 27, W. of the 5th Mer.

Area: 2,560 acres.

Character of Coal: Bituminous.

This mine is connected by a spur line, three miles in length, to the Canadian National Railway and Grand Trunk Pacific main lines to the Pacific coast.

Considerable folding has taken place in the rock formation, causing the pitch of the strata to be very irregular.

Two seams are being worked at present, No. 2 constituting the high level district and No. 3 seam the No. 3 South workings.

The following improvements have been made:

Main and tail rope haulage from No. 3 slope to the tippie, several houses built, machine-shop and warehouse built; also considerable rock tunnel work has been done underground.

*Solomon Creek Coal Company. (Mine No. 832.)*

Mine Office: Brule Mines.

Location of Mine: S.E.  $\frac{1}{4}$  Sec. 31, Tp. 50, Rge. 27, W. of the 5th Mer.

Character of Coal: Bituminous.

Three seams have been prospected on this property. The property is still in the prospecting stage, no coal having been shipped.

## YELLOW HEAD PASS DISTRICT.—DISTRICT NO. 32.

*Yellowhead Coal Company. (Mine No. 220.)*

Mine Office: Coalspur.

Head Office: Union Bank, Ottawa, Ont.

Manager: E. I. Roberts.

Overman: E. I. Roberts.

Mine Surveyor: D. Jones.

Location of Mine: Sec. 6, Tp. 49, Rge. 21, W. of the 5th Mer.

Area: 6,600 acres.

Character of Coal: Bituminous.

Owner of Property: Yellowhead Coal Company.

Thickness of seam from 8 to 16 feet, pitching 60 degrees in a south-westerly direction.

The mine is located at Coalspur, and is entered by a rock-tunnel.

The room and pillar system of working is adopted.

Open lights are used throughout the mine.

The following improvements have been made to the plant:

A belt conveyor, 250 ft. centres, to convey the coal from the dump to the screen, having a capacity of 800 tons per day, a 50-K.W. D.C. generator supplying power to fan and for lighting purposes. Also 10 houses have been built for employees.

*Sterling Collieries Limited. (Mine No. 769.)*

Mine Office: Basing, A.C.B.

Head Office: 507-8 McLeod Bldg., Edmonton.

President: William Oliphant.

Vice-President: R. H. Munson.

Secretary: O. B. Munson.

Treasurer: F. J. Mitchell.

General Manager: R. M. Halpenny.

Assistant General Manager: G. R. Winkler.

Superintendent: W. F. Stevenson.

Mine Surveyor: O. L. Puckett.

Location of Mine: L.S. 2, Sec. 35, Tp. 47, Rge. 20, W. of the 5th Mer.

Character of Coal: Bituminous.

Owner of Property: Sterling Collieries, Ltd.

The seam being worked has a thickness of about 200 feet.

This mine is located at Mile 47 on the Alberta Coal Branch of the G.T.P., and is worked as a stripping pit, the overburden which ranges from 8 to 30 ft. in thickness, being removed by a 60 ton Marion steam shovel. The material is loaded into dump cars and hauled to the spoil bank by an 80 ton locomotive.

The coal, after the overburden has been removed, is shot, holes being drilled from the top by a Keystone Drill, and loaded into cars, by a 35-ton steam shovel, which are hauled to the tippie by locomotives.

The mine cars are unloaded into a pocket, from which the coal is elevated to a storage bunker, at the top of the tippie, by a steel belt conveyor, operated by electricity. The tippie is equipped with a screening plant, having a capacity of 2,000 tons per day.

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*The Foothills Collieries, Limited. (Mine No. 771.)*

Mine Office: Foothills P.O.

Head Office: 228 Portage Ave., Winnipeg, Manitoba.

Authorized Capital: \$300,000.00.

President: W. A. Windatt.

Vice-President: E. H. Bennest.

Secretary-Treasurer: C. D. Shepard.

General Manager: W. B. Onions.

Manager: W. Pickles.

Overman: W. Pickles.

Mine Surveyor: J. H. Smith.

Location of Mine: L.S. 10, Sec. 24, Tp. 47, Rge. 20, W. of the 5th Mer.

Area: 320 acres. Character of Coal: Bituminous.

Owner of Property: The Foothills Collieries, Ltd.

The seam being worked has a thickness of 17 feet, the upper 6 feet being kept up for roof support, the cover being from 20 to 150 feet thick, the seam pitching 12 degrees in a southwesterly direction.

The mine is entered by slopes, and is worked on the room and pillar system.

The plant has a capacity of 500 tons per day.

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*Alberta Standard Coal Company, Limited. (Mine No. 775.)*

Mine Office: Coalspur.

Manager: J. R. McDonald.

Overman: J. Nicol.

Location of Mine: S.W.  $\frac{1}{4}$  Sec. 14, Tp. 49, Rge. 21, W. of the 5th Mer.

Mine Surveyor: D. Jones.

Area: 160 acres.

Character of Coal: Bituminous.

Thickness of Seams: No. 1 seam—6 feet; No. 2 seam—9 feet.

Thickness of Cover: 40 feet.

This mine is entered by means of a slope on No. 2 seam, and a drift to No. 1 seam, and is worked on the room and pillar system.

Surface plant consists of a shaker screen, a steam boiler of 50-H.P., and a steam hoist to hoist coal from the mine entrance to tippie, a distance of about 300 feet.

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*Stupor, Oakley & Company. (Mine No. 829.)*

Mine Office: Blackstone Mines P.O.

Location of Mine: S.E.  $\frac{1}{4}$  Sec. 19, Tp. 47, Rge. 19, W. of the 5th Mer.

Character of Coal: Bituminous.

This mine is located on the Alberta Coal Branch of the Grand Trunk Pacific Railway and is entered by drifts, the seam having a thickness of 36 feet, dipping 10 degrees in a southwesterly direction. Only 12 feet of coal is being worked.

The room and pillar system of working is adopted. Some work has been done at this mine by the stripping method, the cover at this point being 7 feet thick; this portion of the mine is not at present in operation.

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*Brookdale Collieries Limited. (Mine No. 833.)*

Mine Office: Lovettville.

Location of Mine: L.S. 6, Sec. 16, Tp. 47, Rge. 19, W. of the 5th Mer.

Area: 160 acres.

Character of Coal: Bituminous.

Thickness of seam 30 feet, about 12 feet of which is taken out and the balance left to form roof and floor, the cover being 60 feet in thickness.

This mine is situated about 17 miles from Coalspur, on the Alberta Coal Branch of the Grand Trunk Pacific.

The mine has not operated since July, 1921.

*McLeod River Hard Coal Company, Limited. (Mine No. 846.)*

Mine Office: Mercoal via Coalspur.  
 Head Office: Mercoal via Coalspur.  
 Authorized Capital: \$20,000.00.  
 President: N. Gurvieh.  
 Directors: J. G. Scott, J. Miller.  
 Secretary-Treasurer: C. H. Orme.  
 Overman: A. Rice.  
 Mine Surveyor: D. Jones.  
 Location of Mine: L.S. 5, Sec. 25, Tp. 48, Rge. 22, W. of the 5th Mer.  
 Thickness of Seam: 16 feet.  
 Thickness of Cover: 100 feet.

This mine is situated about 5 miles from Coalspur, on the Mountain Park Branch of the Grand Trunk Pacific Railway.

The mine is entered by means of a slope, up which the coal is hoisted to the tippie by a steam-driven hoist.

The room and pillar system of working is adopted. The plant has a capacity of 150 tons per day.

*The Pacific Colliery. (Mine No. 854.)*

Mine Office: Lovettville.  
 Location of Mine: S.W.  $\frac{1}{4}$  Sec. 10, Tp. 47, Rge. 19, W. of the 5th Mer.  
 Area: 40 acres. Character of Coal: Bituminous.  
 Thickness of Seam: 10 feet.  
 Thickness of Cover: From 10 to 30 feet.

This mine is situated about 19 miles from Coalspur, on the Alberta Coal Branch of the Grand Trunk Pacific Railway.

The mine is now abandoned.

*Johnston Carscadden. (Mine No. 896.)*

Mine Office: Blackstone Mine Post Office.  
 Location of Mine: L.S. 5, Sec. 16, Tp. 47, Rge. 19, W. of the 5th Mer.  
 Area: 160 acres. Character of Coal: Bituminous.  
 Thickness of Seam: 50 feet.  
 Thickness of Cover: 15 feet.

This mine, which was operated as a stripping pit is located about 15 miles from Coalspur, on the Alberta Coal Branch of the Grand Trunk Pacific Railway.

The mine is now closed.

*James H. Bryan. (Mine No. 897.)*

Mine Office: Lovettville.  
 Location of Mine: N.  $\frac{1}{4}$  Sec. 17, Tp. 47, Rge. 19, W. of the 5th Mer.  
 Area: 320 acres. Character of Coal: Bituminous.  
 Thickness of Seam: 50 feet.  
 Thickness of Cover: 15 feet.

This mine, which is operated by stripping the surface, is located about 15 $\frac{1}{2}$  miles from Coalspur, on the Alberta Coal Branch of the Grand Trunk Pacific Railway.

Output about 150 tons per day.

## MOUNTAIN PARK DISTRICT.—DISTRICT NO. 33.

*Mountain Park Coal Company, Limited. (Mine No. 282.)*

Mine Office: Mountain Park.  
 Head Office: 708 Tegler Bldg., Edmonton.  
 Authorized Capital: \$3,000,000.00.  
 Board of Directors: Chairman: Col. A. Mitchell, David McCowan, C. J. Leyland, J. C. C. Bremner, R. W. Jones, G. R. F. Kirkpatrick, R. G. Drinnan, J. C. Dunn.  
 Secretary: E. N. Anderson.  
 Manager: A. N. Scott.  
 Overman: W. Robinson.  
 Mine Surveyor: A. N. Scott.  
 Location of Mine: Sec. 33, Tp. 45, Rge. 23, W. of the 5th Mer.  
 Area: 5,120 acres. Character of Coal: Bituminous.  
 Owner of Property: Mountain Park Coal Co., Ltd., Edmonton.

This mine is located at the end of steel, on the Mountain Park Branch of the Grand Trunk Pacific Railway, about 33 miles from Coalspur.

The workings are confined to the No. 3 seam, which has a thickness of 12 feet, with blackjack and coal roof and sandstone pavement, the strata having a dip of 25 to 35 degrees in a south-westerly direction.

The mine is entered by drifts and slopes, the workings being confined to the east side of the valley, work on the west side having been discontinued.

The system of working is room and pillar, all rooms being driven to the rise on the full pitch of the seam.

Horse haulage is used on the entries, with rope haulage on the slope.

Safety lamps of the Wolf Flame type are supplied to officials and workmen, the haulage crews using cap lamps of the Edison Electric type.

The plant has a capacity of 1,000 tons per day.

The following improvements have been made:

A snowshed has been built over the mine tracks from the tippie to No. 3 slope, box car loader installed, lamp cabin and time office built.

*Cadomin Coal Company, Limited. (Mine No. 693.)*

Mine Office: Cadomin.

Head Office: 282 Main St., Winnipeg, Manitoba.

Authorized Capital: \$2,000,000.00.

President: F. L. Hammond.

Vice-President: E. M. Powley.

Secretary: Edward Baillee.

Manager: A. G. Macaulay.

Overmen: E. Coupland, G. Nicol.

Mine Surveyor: A. G. Macaulay.

Location of Mine: L.S. 14, Sec. 31, Tp. 46, Rge. 23, W. of the 5th Mer.

Character of Coal: Bituminous.

The No. 1 seam on the west side of the valley is being worked at this mine, and is being rapidly developed on the angle system, consisting of main and back angle chute. The seam has a thickness of 33 feet, pitching 60 degrees in a south-westerly direction, and is opened up by means of entries driven in from the outcrop.

The coal is taken over the river to the tippie across a bridge, by means of rope haulage, the tippie being equipped with shaking screens, having a capacity of 100 tons per hour.

A rock tunnel has been driven between Nos. 1 and 2 seams for a distance of 1,000 feet, the intention being to cross-cut to the seams and use the above tunnel as the main haulage road for both seams.

Safety lamps of the Wolf Flame type are in use by the officials, cap lamps of the Edison electric type being used by the workmen.

The plant consists of 375-H.P. boiler, air compressor, one 125-K.W. steam turbo generator set.

The mine opened up on the east side of the valley has been closed, owing to a fire which occurred in the workings in March, 1920.

*Luscar Collieries, Limited. (Mine No. 905.)*

Mine Office: Mountain Park.

Head Office: 708 Tegler Bldg., Edmonton.

Authorized Capital: \$1,000,000.00.

Board of Directors: Chairman, Col. A. Mitchell, David McCowan, J. C.

C. Bremner, R. G. Drinnan, J. C. Dunn, Col. M. E. Lindsay, D.S.O., and A. C. Dunn.

Manager: W. B. Hetherington.

Secretary: J. C. Dunn.

Overman: W. B. Hetherington.

Mine Surveyor: A. N. Scott.

Location of Mine: Sec. 23, Tp. 47, Rge. 24, W. of the 5th Mer.

Area: 5,000 acres.

Character of Coal: Bituminous.

Owner of Property: Luscar Collieries Ltd.

The property lies about five miles north-west of Cadomin, and is connected to the Mountain Park Branch of the Grand Trunk Pacific Railway by a branch line.

The development work up to date has been the driving of main and counter entries in the "Jewel" seam, which has an average thickness of 50 feet, pitching about 38 degrees.

A temporary tippie has been built at each of the above openings, for the purpose of loading coal into railway cars.

An average of twenty-five men was employed during the year, most of the time being spent in prospecting work.

One 40-H.P. locomotive boiler installed, one ventilating fan and engine, eight log-buildings erected during the year for the accommodation of the employees.

The following table gives the names and numbers of the districts, along with the name and address of the District Inspector of Mines in charge of each.

No. of District	Name of District	Name and address of District Inspector of Mines
1 2	Crow's Nest Pass Pincher Creek	James Crowder, Blairmore, Alberta. Telephone No. 70.
3 4 5 6 7 8 9 10 16	Lethbridge Magrath Milk River Taber Bow Island Medicine Hat Aldersyde High River Brooks	Nathaniel Howells, Lethbridge, Alberta Telephone No. 325.
13 14 17 19 20 21	Drumheller Big Valley Hanna Trochu Three Hills Carbon	David Shanks, Calgary, Alberta. Telephone No. M2140.
11 12 15 18	Canmore Banff Brazeau Lacombe	James A. Richards, Edmonton, Alberta Telephone No. 1089.
22 23 24 25 26 27 28 29 30 31 32 33	Battle River Camrose Tofield Clover Bar Edmonton Nanaimo Cardiff Wabamun Pembina Jasper Park Yellowhead Pass Mountain Park	William Shaw, Edmonton, Alberta Telephone No. 1089.

In addition to the above, Mr. James A. Richards (11009 89th Avenue Edmonton) is acting in the capacity of General District Inspector of Mines. Telephone No. 3662.

## BOARD OF EXAMINERS

The constitution of the board during 1921 was as follows:

As representing:

(a) The Mine Inspectorate:

John T. Stirling, Chief Inspector of Mines.

(b) Managers:

Robert Livingstone and Francis Aspinall.

(c) Working Miners:

Evan Morgan and Alexander G. Watters.

Secretary:

James A. Richards.

Examinations were held during the year as follows:

For First and Second Class Certificates of Competency: on June 1, 2, 3, at Blairmore, Lethbridge, Calgary, Edmonton, Nordegg and Mountain Park.

For Third Class Certificates of Competency: at Calgary, Taber, Edmonton, Blairmore, and Pocahontas, on May 4; at Lethbridge and Drumheller, on May 5; at Brule, on May 6; at Mountain Park, on May 10; at Coalspur, on May 12; and at Nordegg, on June 4.

For Mine Surveyors' Certificates of Competency: on June 4, at Blairmore, Lethbridge, Calgary, Edmonton, Nordegg, and Mountain Park.

Twenty-one candidates presented themselves for examination for First Class Certificates, two of whom were successful; thirty for examination for Second Class Certificates, twelve of whom were successful; ninety-one for examination for Third Class Certificates, of whom seventy-four were successful; and twelve for examination for Mine Surveyors' Certificates, of whom five were successful.

During the year two hundred and seventy-six Provisional Certificates were granted to persons, authorising them to act as Overmen until they had an opportunity of obtaining final Certificates by examination.

## LIST OF MINES

The following table gives particulars of mines which have been opened in the Province:

Mine No.	Operator	Address	District No.	Location			Character of Coal	Date of		Re-opening
				S.	T.	W. of M.		Opening	Abandonment	
42	Alberta Railway & Irrigation Co.	Lethbridge	2	10	5	1	Domestic	1905	1906	....
76	Alberta Coal & Coke Co., The	Lundbreck	2	23	7	5	Domestic	1905	1909	....
129	Alberta Coal Mining Co., Ltd.	Edmonton	28	1	23	25	Domestic	1907	....	....
218	Consolidated with No. 296	Champion	9	8	16	23	Domestic	1909	....	....
223	Adams Coal Mine Co., Ltd.	Lethbridge	3	1	3	12	Domestic	1910	1913	....
270	Arbaster & Lloyd	Bow Island	7	1	11	4	Domestic	1911	1913	....
296	Ashmore & Sons	Champion	9	8	16	23	Domestic	1911	....	....
358	Annon & Barr	Winnifred	7	1	12	10	Domestic	1912	....	....
390	Abel, W. S.	Kippenville	5	1	3	12	Domestic	1913	1916	....
432	Ashmore, James	Reid Hill	9	1	16	22	Domestic	1914	1915	....
443	Anderson, William J.	Sheerness	17	1	29	13	Domestic	1914	....	....
474	Armour & Stauffer	Morrin	14	2	31	21	Domestic	1915	1915	....
475	Aune, George	Morrin	14	2	31	21	Domestic	1915	....	....
620	Alberta Block Coal Co., Ltd.	Drumeller	13	3	29	20	Domestic	1915	....	....
631	Aiello, James	Ardley	19	7	38	23	Domestic	1916	....	....
672	Annon, Dominic	Winnifred	7	3	12	10	Domestic	1916	....	....
684	Atlas Coal Co., Ltd.	Drumeller	13	10	29	20	Domestic	1917	....	....
690	Anthill Coal Co. Ltd., The	Rowley	14	13	32	21	Domestic	1917	....	....
708	Auchenback, Andrew	Thelma	8	12	7	3	Domestic	1917	1917	....
712	Archibald, D.	Elean	6	8	10	17	Domestic	1917	1918	....
775	Alberta Standard Coal Co., Ltd.	Coalspur	32	14	49	21	Bituminous	1918	....	....
787	Ardley Hardite Coll. Ltd.	Ardley	19	1	38	23	Domestic	1918	....	....
792	Allen, E. D.	Rosalind	22	1	43	17	Domestic	1918	1919	....
820	Alberta & Crow's Nest Coal Co. Ltd.	Coleman	19	18	38	23	Domestic	1918	....	....
824	Ardley Hardite Coll. Ltd.	Ardley	19	3	8	5	Bituminous	1919	....	....
852	Alexo Coal Co. Ltd.	Saunders	15	20	38	23	Bituminous	1919	....	....
861	Acadia Coal Mine	Calgary	19	27	40	15	Bituminous	1920	....	....
879	Allen, E. D.	Rosalind	22	14	35	20	Domestic	1920	1921	....
939	Arndt, Lengert & Schutze	Edmonton	26	1	50	26	Domestic	1921	....	....

## LIST OF MINES.—Continued.

Mine No.	Operator	Address	District No.	Location			Character of Coal	Date of	
				S.	T.	W. of R. N.		Open- ing	Re- open- ing
24	Big Island Coal Co.	Edmonton.	26	L. S.	12.	20	Domestic...	1897	
25	Banach & Hoynach.	Strathcona.	26	Near Strathcona		25	Domestic...	1897	1899
26	Bailey, Robert.	St. Albert.	27	Near St. Albert			Domestic...	1897	1898
34	Bangs, J. A.	Lineham.	10	Sheep Creek			Domestic...	1897	1900
45	Baldwin, J.	Edmonton.	26	Near Edmonton			Domestic...	1900	1905
46	Bush Mine Coal Co. Ltd., The	Beverly.	25	R. L. 42 Edm. Sett.			Domestic...	1905	
55	Brisco, Frank.	Magrath.	4	L. S. 2.	18	7	Domestic...	1902	
72	Blackfoot Indians.	Gleichen.	16	Indian Reserve			Domestic...	1902	
117	Bothamley, C. F.	Three Hills.	20	L. S. 10.	22	31	Domestic...	1905	1908
137	Bennett, Isaac.	Reid Hill.	9	N. W. 4.	16	21	Domestic...	1907	1915
143	Bell, W. J.	Bowville.	10	N. E. 4.	25	14	Domestic...	1907	1913
153	Burnis Coal Co.	Burnis.	1	N. E. 4.	14	7	Bituminous	1909	1916
164	Belmont Coal Co.	Edmonton.	26	L. S. 7.	24	53	Domestic...	1908	1908
167	Ben Nevis Mines Ltd.	Nevis.	18	N. E. 4.	11	39	Domestic...	1908	
168	Beaver Dam Coal Co.	Nevis.	18	N. E. 4.	2	39	Domestic...	1908	1913
176	Bradshaw Mining Co.	Magrath.	4	N. E. 4.	2	7	Domestic...	1908	1913
187	Blacklock, Alexander.	Carbon.	21	L. S. 5-6.	15	29	Domestic...	1909	1917
199	Ballantyne, George.	Beaver Mines.	2	9-10.		6	Domestic...	1909	1915
206	Burdett City Coal Co.	Burdett.	7		23	10	Domestic...	1909	1910
224	Bennett, Isaac.	Armada.	9	E. 4.	29	16	Domestic...	1910	1915
229	Berford, Edward.	Taber.	6	L. S. 11.	18	10	Domestic...	1910	1917
232	Bawlf Collieries Ltd., The	Bawlf.	23		10	46	Domestic...	1910	1913
234	Baker, Hoge & Baker.	Exmore.	16		11	17	Domestic...	1910	1916
237	Banner Coal Co., Ltd.	Carliff.	28	L. S. 5.	24	55	Domestic...	1910	
240	Bitterman, Jacob.	Halkirk.	18	N. W. 4.	32	39	Domestic...	1910	
245	Bish Bros. & Le Gear.	Forestburg.	22	L. S. 13.	36	40	Domestic...	1910	1913
248	Bish Bros. & Company.	Forestburg.	22	L. S. 4.	1	41	Domestic...	1910	
256	Brazeau Collieries Ltd.	Nordlegg.	15	N. W. 4.	22	40	Bituminous	1911	1913
284	Big Chief Coal Mining Co. Ltd.	Kimball.	5	N. W. 4.	9	1	Domestic...	1911	1916
288	Banes, H.	Gadsby.	18	S. E. 4.	28	39	Domestic...	1911	1913
300	Bullock Coal Mining Co.	Puncher Creek.	2		16	6	Domestic...	1911	1916
302	Battle River Collieries.	Rosenroll.	23	S. E. 4.	7	46	Domestic...	1911	1917
305	Bonnie Brae Coal & Quarries Ltd.	Cochrane.	11		6	26	Bituminous	1911	1912
306	Bennie, James S.	Lucky Strike.	5		3	3	Domestic...	1911	1914



## LIST OF MINES.—Continued.

Mine No.	Operator	Address	District No.	Location			W. of M.	Character of Coal	Opening	Date of Abandonment	Re-opening
				S.	T.	R.					
345	Consolidated with No. 732.	Maleb.	7	L. S.	13	6	4	Domestic.	1918		
356	Brown, Moses.	Medicine Hat.	8	N. E.	1	28	4	Domestic.	1912	1916	
364	Big Valley Collieries Ltd.	Big Valley.	14	N. W.	1	36	4	Domestic.	1912		
365	British Collieries Ltd.	Red Deer.	15		43	20	5	Bituminous	1912	1913	
372	Bathurst Mining Co. Ltd.	Diamond City.	3		5	10	4	Domestic.	1912	1915	
391	Block Coal Collieries Ltd.	Taber.	6	N.	19	10	4	Domestic.	1913	1916	
401	Black, William.	Lucky Strike.	5	N. W.	1 of						
				L. S.	8	10	4	Domestic.	1913	1914	
404	Bertram, F.	Halkirk.	18	L. S.	18	39	15	Domestic.	1913	1915	
406	Consolidated with No. 433.	Lineham.	10		2	20	3	Domestic.	1913		
416	Burns Coal Mines Ltd., P.	Calgary.	11	L. S.	5	14	6	Bituminous	1913	1919	
429	Blue Diamond Coal Co. Ltd.	Brule.	31	L. S.	1	16	5	Bituminous	1914		
433	Blacklock, David B.	Lineham.	10	S. E.	1	2	5	Domestic.	1914	1920	
435	Bye, E. F.	Lucky Strike.	5	L. S.	9	16	3	Domestic.	1914	1914	
452	Borthwick, Alexander.	Pincher Creek.	2	S. W.	1	17	5	Domestic.	1914	1918	
454	Benbridge, Joseph.	Warner.	5	L. S.	12	9	4	Domestic.	1914	1915	1919
456	Brooks, Edmund J.	Hill Springs.	2	L. S.	9	13	4	Domestic.	1914	1914	
457	Bradley & Watson.	Pincher Creek.	2	L. S.	9	13	4	Domestic.	1914	1914	
464	Brooks, Burton T.	Drumheller.	13	L. S.	4	23	20	Domestic.	1915		
476	Blusson, Mrs. M. R.	Champion.	9	L. S.	9	33	15	Domestic.	1915		
485	Black Diamond Oil Field Ltd.	Lineham.	10	L. S.	29	19	4	Domestic.	1915	1915	
486	Brown, Charles E.	Hanna.	17	L. S.	3	6	29	Domestic.	1915		
619	Ball, Mathew.	Brida.	19	N. E.	1	10	35	Domestic.	1915	1916	
646	Bradshaw, James.	Garden Plain.	5	L. S.	1	2	1	Domestic.	1916		
647	Brisco, Frank.	Hill Springs.	34	L. S.	4	3	4	Domestic.	1916	1918	
655	Brown, Samuel H.	Halcourt.	9	L. S.	6	21	7	Domestic.	1916	1918	
659	Bennett, Isaac.	Bennett.	8	L. S.	9	29	16	Domestic.	1916	1918	
689	Bragdich, George.	Thelma.	6	L. S.	5	18	7	Domestic.	1917	1917	
700	Brooks & King.	Elean.	2	L. S.	2	10	10	Domestic.	1917	1917	
716	Bare, W. R.	Mayeroff.	2	L. S.	9	27	10	Domestic.	1917	1919	
717	Beaver Coal Co. Ltd.	Castor.	18	L. S.	2	34	37	Domestic.	1917	1919	
724	Burnstadt, S. H.	Round Hill.	23	S. W.	1	14	48	Domestic.	1917	1919	1920
732	Breeding, S. B.	Maleb.	7	L. S.	13	6	8	Domestic.	1918		

## LIST OF MINES.—Continued.

Mine No.	Operator	Address	District No.	Location			Character of Coal	Date of	
				S.	T.	W. of M.		Open- ing	Aban- don- ment
736	Blacklock, Dave B.	Lineham	10	S. 1	20	3	Domestic	1918	1918
755	Brisco, Frank	Cardston	5	S. 1	34	26	Domestic	1918	1921
757	Bow City Coal Co.	Eyremore	16	S. W. 1	32	17	Domestic	1919	1918
774	Britannia Collieries Ltd.	Wabamun	29	R. A. 1	53	4	Domestic	1918	1921
780	Brooks, C. T.	Bow Island	7	L. S. 2	12	11	Domestic	1918	1921
781	Bow City Coal Co.	Eyremore	16	S. W. 1	32	16	Domestic	1918	1921
786	Burns Coal Mines Ltd., P.	Calgary	11	L. S. 3	14	19	Bituminous	1918	1921
802	Blairmore Coal Co. Ltd.	Blairmore	1	E. 1	34	7	Bituminous	1919	1921
804	Betts, Alma	Manyberries	5	L. S. 9	18	3	Domestic	1919	1921
833	Brookdale Collieries Ltd.	Lovettville	32	L. S. 6	16	47	Bituminous	1919	1921
842	Batie, James A.	Basano	16	S. W. 1	34	20	Domestic	1919	1921
875	Baxter, Robert & E. F.	Rocky Mt. Hse.	15	S. E. 1	21	39	Bituminous	1920	1921
881	Bradley, Joseph J.	Lucky Strike	5	L. S. 11	10	3	Domestic	1921	1921
883	Baird, J. W.	Carbon	21	N. E. 1	15	29	Domestic	1921	1921
895	Bowden, E. S.	Taber	6	L. S. 8	16	11	Domestic	1921	1921
897	Bryan Coal Co. Ltd.	Edmonton	32	N. S. 1	17	47	Bituminous	1921	1921
908	Bishop, R. H.	Millet	26	L. S. 1	48	27	Domestic	1921	1921
928	Blaire, Claude H.	Nevis	18	L. S. 15	10	38	Domestic	1921	1921
935	Barker, J. H.	Ganford	30	E. 3	36	53	Domestic	1921	1921
943	Belmont Coal Co. Ltd.	Edmonton	26	L. S. 3	11	54	Domestic	1921	1921
952	Bohne Bros. & Gilles	Forestburg	22	L. S. 4	33	40	Domestic	1921	1921
954	Bobier, L.	Lousana	19	L. S. 9	26	36	Domestic	1921	1921
955	Bulcourt, Louis	Halkirk	22	L. S. 20	40	15	Domestic	1921	1921
957	Blair, Dennis	Delburne	19	S. E. 1	11	38	Domestic	1921	1921
958	Beaver Coal Co.	Carbon	21	S. 1	13	29	Domestic	1921	1921
962	Bolze, William	Delburne	19	S. W. 1	4	36	Domestic	1921	1921
963	Batie, J. A.	Milo	9	L. S. 14	10	38	Domestic	1921	1921
969	Blades, James	Nevis	18	L. S. 14	10	38	Domestic	1921	1921
2	Canmore Coal Co. Ltd.	Canmore	11	L. S. 29	24	10	Bituminous	1896	1896
3	Canadian Pac. Ry. Dept. Nat. Res.	Lethbridge	3	L. S. 13	6	9	Domestic	1895	1895
9	Clover Bar Mine Coal Co.	Beverly	25	S. W. 1	18	53	Domestic	1897	1897
14	Consolidated with No. 9	Beverly	25	L. S. 1	18	53	Domestic	1896	1901
32	Cardiff Collieries Ltd.	Cardiff	28	N. W. 1	24	55	Domestic	1902	1902

## LIST OF MINES.—Continued.

Mine No.	Operator	Address	District No.	Location			Character of Coal	Date of	
				S.	T.	W. of M.		Open- ing	Re- open- ing
44	Carpenter, Elia	St. Albert	27	S. W. 1	17	24	Domestic	1897	1899
59	Cartwright, Chas. E.	Lundbreck	2	N. E. 1	26	2	Domestic	1902	1906
62	Cresswell, Charles	Medicine Hat	8	Near Medicine Hat			Domestic	1902	1904
63	Cameron, John	Okotoks	10	Near Okotoks			Anthracite	1903	1907
80	Can. Pac. Ry. Dept. Nat. Res.	Bankhead	12	19	26	11	Domestic	1905	1906
83	Consolidated Coal Mining Co.	Medicine Hat	8	2	9	5	Domestic	1904	1906
93	Cameron, John	Edmonton	26	R. L. 18			Domestic	1905	1909
105	Canada West Coal Co. Ltd.	Taber	6	L. S. 7	31	16	Domestic	1906	1909
121	Carbon Brick & Coal Company	Carbon	21	19	29	23	Domestic	1907	1913
132	Canadian Pacific Railway Co.	Taber	6	L. S. 14	7	10	Bituminous	1909	1913
207	Carbon Hill Coal & Coke Co.	Spokane	1	3	6	3	Domestic	1909	1910
215	Chappell, E. E.	Tofield	23	L. S. 11	14	18	Domestic	1910	1913
230	Cousins, R. W. K.	Cochrane	11	S. E. 1	6	4	Bituminous	1910	1916
247	Chinook Coal Co. Ltd.	Commerce	3	L. S. 7	12	10	Domestic	1910	1913
260	Connor Coal Mining Co. Ltd.	Wabamun	29	L. S. 1	14	53	Domestic	1911	1913
293	Coal Securities Ltd.	Frank	2	6	2	3	Bituminous	1912	1913
339	Collins, James A.	Coalspur	32	33	48	21	Domestic	1912	1918
349	Callie Coal Co. Ltd., The	Drumheller	13	L. S. 14	2	20	Domestic	1912	1914
360	Castella Bros.	Standard	16	N. W. 1	2	22	Domestic	1912	1915
374	Canadian Dinant Coal Co. Ltd.	Dinant	23	N. E. 1	12	20	Domestic	1913	1916
386	Cameron Bros.	Namao	18	S. W. 1	17	24	Domestic	1913	1917
387	Cable Bros. & Williams	Gadsby	27	N. W. 1	28	16	Domestic	1914	1917
420	Clarke & Davis	Namao	29	S. E. 1	8	24	Domestic	1914	1917
424	Consumers' Coal Co. Ltd.	Wabamun	29	E. 1	33	52	Domestic	1914	1917
438	Curren, J. D.	Banff	12	33	25	11	Domestic	1914	1917
460	Clemens, P. F.	Gem	16	4	12	15	Domestic	1914	1916
473	Cook, W. R.	Morrin	14	N. E. 1	28	21	Domestic	1915	1916
492	Cattenach, Donald	Garden Plain	17	6	34	13	Domestic	1915	1915
499	Cambrian Coal Co.	Elean	6	L. S. 5	22	17	Domestic	1915	1921
609	Carlson, John	Donalda	22	L. S. 2	4	17	Domestic	1915	1919
629	Calgary Copper Co. Ltd.	Calgary	12	3 miles N. Eldon			Copper	1915	1919
632	Crown Coal Co. Ltd.	Edmonton	26	R. Lot 20	14	19	Domestic	1916	1921
634	Clarke, A. C.	Verdant Valley	13	N. E. 1	14	28	Domestic	1916	1918
657	Coldren, Earl	Peace River	34	L. S. 3	28	83	Domestic	1916	1918

## LIST OF MINES.—Continued.

Mine No.	Operator	Address	District No.	Location			W. of R. M.	Character of Coal	Opening	Date of Abandonment	Re-opening
				S.	T.	R.					
660	Christopher, J. F.	Gadsby	18	S. E. 4	28	39	16	Domestic	1916	1917	...
680	Erskine	Erskine	18	S. E. 4	34	37	22	Domestic	1917	1917	...
693	Chadman, George	Cadomin	33	L. S. 14	31	46	23	Bituminous	1917	1917	...
697	Celtic Coal Co. Ltd.	Wayne	13	L. S. 7	18	28	19	Domestic	1917	1917	...
722	Christie Oil Co.	Calgary	11	L. S. 1	18	26	5	Bituminous	1917	1918	...
726	Colter, E. C.	Drumheller	13	L. S. 16	12	28	19	Domestic	1918	1918	...
744	Chaley, Mike	Wayne	13	L. S. 7	19	28	19	Domestic	1918	1918	...
749	Carbon Coal Company	Carbon	21	L. S. 15	11	29	23	Domestic	1918	1918	...
799	Cooper, H. T.	Louisana	19	L. S. 4	24	36	22	Domestic	1919	1920	...
767	Consolidated with No. 749	Carbon	21	L. S. 11	15	29	23	Domestic	1918	1918	...
867	Callie Coal Co. The	Drumheller	13	L. S. 1	29	20	4	Domestic	1920	1921	...
868	Centazzo, S.	Edmonton	26	L. S. 4	28	51	25	Domestic	1920	1920	...
896	Carscadden, J.	Lovettville	32	L. S. 5	16	47	19	Bituminous	1921	1921	...
916	Connacher, W. M.	Priddis	10	N. W. 4	20	22	3	Domestic	1921	1921	...
919	Colter, Frank	Delia	17	L. S. 15	30	29	17	Domestic	1921	1921	...
923	Colbert, H. V.	Big Valley	14	L. S. 4	31	35	19	Domestic	1921	1921	...
924	Chronister & Brown	High River	10	L. S. 14	8	18	2	Domestic	1921	1921	...
932	Cloutman & Bergen	Gadsby	18	L. S. 8	29	39	16	Domestic	1921	1921	...
941	Creighton, J.	Clampson	9	N. W. 4	10	19	21	Domestic	1921	1921	...
965	Comrey Coal Co.	Comrey	5	L. S. 4	9	2	6	Domestic	1921	1921	...
54	Donaldson & Tennant	Lethbridge	3	L. S. 5	36	8	22	Domestic	1902	1902	...
106	Domestic Coal Co.	Taber	6	L. S. 6	1	10	17	Domestic	1905	1905	...
152	Driggs, H. A.	Grassy Lake	7	N. E. 1	15	10	13	Domestic	1907	1910	...
155	Dawson Coal Co. Ltd.	Edmonton	26	R. L. 25	Edm. Sett.	34	38	Domestic	1907	1907	...
166	Dweak, R. E.	Alix	18	34	38	23	4	Domestic	1908	1918	...
173	Duncan, W. E.	Taber	6	R. L. 17	28	52	16	Domestic	1908	1909	...
177	Donkin & Stevens Co.	Edmonton S.	26	N. W. 4	36	8	2	Domestic	1908	1921	...
190	Durrant, R. B.	Livingstone	2	N. W. 4	36	8	2	Domestic	1909	1910	...
236	Drowning Ford Co., The	Medicine Hat	8	32	15	5	4	Domestic	1910	1914	...
271	D'Altroy & Lerlie	Milk River	5	L. S. 5	26	2	16	Domestic	1911	1911	...
273	Davis & Green	Halkirk	18	L. S. 12	18	39	15	Domestic	1911	1911	...
279	D'Altroy & Lerlie	Milk River	5	L. S. 3	1	3	16	Domestic	1911	1911	...
285	Davis, Thomas	Noble	9	S. E. 4	18	11	24	Domestic	1911	1913	...

## LIST OF MINES.—Continued.

Mine No.	Operator	Address	District No.	Location			Character of Coal	Date of		
				S.	T.	W. of R. M.		Open- ing	Aban- don- ment	Re- open- ing
287	Davidson, G. W.	Big Valley	14	S. W. 4	36	20	Domestic	1911	1914	
290	Davison, R. T.	Big Valley	14	S. W. 4	36	35	Domestic	1911	1914	
298	Consolidated with No. 290.	Big Valley	14	S. W. 4	36	20	Domestic	1911	1914	
326	Davis, W. M.	Scollard	14	S. W. 4	34	21	Domestic	1911	1914	
340	Dobell Coal Co. Ltd.	Tofteld	24	S. E. 4	35	19	Domestic	1912		
362	Duell, Richard.	Longview	10	S. E. 4	29	20	Domestic	1912	1916	
381	Davies, E. T.	Lucky Strike	5	L. S. 13	6	11	Domestic	1913		
425	Depew & Miller	Raymond	4		8	5	Domestic	1914	1914	
453	Davis & Brown	Pincher Creek	2		27	5	Domestic	1914	1915	
463	Dennis, Wilson	Maycroft	2		31	10	Domestic	1914	1915	
605	Donaldson, Christopher S.	Commerce	3	N. W. 4	16	21	Domestic	1915	1916	
607	Dickey, Lee	Donalda	22	L. S. 8	30	41	Domestic	1915	1916	1921
614	Dietrich Bros. & Johnson	Forestburg	22	L. S. 4	14	42	Domestic	1915	1916	
641	Davies, E. T.	Milk River	5	E. 4	35	2	Domestic	1916	1916	
669	Domestic Coal Co.	Taber	6	L. S. 3	1	10	Domestic	1916		
735	Du Rocherville Mining Co. Ltd.	Nanton	10		15	3	Domestic	1918		
815	Debrinski, J. L. & Joe	Rosebud	13	L. S. 12	33	27	Domestic	1919		
860	Duchess Coal Company	Calgary	16	L. S. 1	2	23	Domestic	1920		
885	Dick & Pickering	Bassano	16	S. E. 4	33	21	Domestic	1921		
909	Dunn & Causey	Taber	6	L. S. 11	18	10	Domestic	1921		
918	Drummond, Nixon & Murray	Drumheller	13	L. S. 5	14	29	Domestic	1921		
937	Daniels & Horsky	Delia	17	L. S. 14	21	30	Domestic	1921		
970	Demmer, Matt.	Trochu	19	N. E. 4	22	33	Domestic	1921		
	Edmonton Coal Co.	Edmonton	26	R. L. 22	E. Sett.		Domestic	1897	1904	
20	Elliott & Louisberg	Edmonton	26	Near Edmonton			Domestic	1897	1908	
50	Edmonton Coal Co.	Edmonton	26	R. L. 20	E. Sett.		Domestic	1901	1904	
68	Evans & Robinson	Edmonton	26	R. L. 25	E. Sett.		Domestic	1902	1905	
70	Ellis, William	Okotoks	10		9	18	Domestic	1902	1911	
118	Evans, John	Medicine Hat	8	S. E. 4	5	13	Domestic	1906	1907	
130	Elcan Valley Collieries Ltd.	Elcan	6		3	10	Domestic	1907	1918	
147	Edmonton Collieries Ltd.	Edmonton	26				Domestic	1907	1911	1918
213	Ervine, S.	Grassy Lake	7	Fraser Flats	9	10	Domestic	1909	1914	

## LIST OF MINES.—Continued.

Mine No.	Operator	Address	District No.	Location			Character of Coal	Date of	
				S.	T.	W. of R. M.		Open- ing	Aban- don- ment
259	Erickson, Brothers	Milk River	5	S. W. 1	32	15	Domestic	1910	1913
316	Evans, Evan	Cardston	5	N. W. 1	26	2	Domestic	1911	1913
384	Ellis Coal Co. Ltd., The	Three Hills	20	S. W. 1	36	31	Domestic	1913	1913
410	Ensign, H. F.	Whitla	7	S. W. 1	24	8	Domestic	1913	1915
628	Eldon Mining Co. Ltd.	Calgary	12	South of Eldon			Copper	1915	1915
703	Exrelstor Collieries Ltd.	Wayne	13	L. S. 3	7	19	Domestic	1917	1917
725	Edmonson, Mrs. M. M.	Delia	17	L. S. 2	24	18	Domestic	1918	1918
764	Eccles & Harvey	Beynon	13	L. S. 2	6	28	Domestic	1918	1919
819	Elgin Mining Co. Ltd., The	Drumheller	13	L. S. 14	2	29	Domestic	1919	1919
870	Erickson, George	Donalda	22	S. W. 1	13	43	Domestic	1920	1920
873	Enders, G. H.	Heister	22	L. S. 7	34	42	Domestic	1920	1920
877	Edmonton Cartage Co. Ltd., The	Edmonton	26	N. W. 1	25	25	Domestic	1920	1920
880	Edmonson, A.	Delia	17	L. S. 3	24	28	Domestic	1920	1920
893	Evans, Hugh	Lethbridge	3	L. S. 1	16	10	Domestic	1921	1921
910	Ellis, James	Champion	9	L. S. 1	4	16	Domestic	1921	1921
8	Fudge, F.	Clover Bar	26	N. E. 1	7	53	Domestic	1921	1921
48	Franco-Canadian Coll. Ltd.	Frank	1	N. W. 1	30	7	Bituminous	1903	1920
90	Fraser-MacKay Coll. Ltd.	Clover Bar	25	L. S. 12	8	53	Domestic	1900	1918
98	Consolidated with No. 90.	Clover Bar	25	L. S. 12	8	53	Domestic	1904	1918
151	Farrell, Charles	Reid Hill	9	L. S. 15	24	16	Domestic	1906	1918
323	Fortune, John	Bow Island	7	L. S. 8	14	9	Domestic	1907	1918
342	Footie, J. C.	Pleasant View	7	L. S. 9	7	9	Domestic	1911	1918
351	Fortin, W.	Legal	28	L. S. 25	57	25	Domestic	1912	1916
600	Ferguson, David	Elcan	6	L. S. 4	10	17	Domestic	1912	1916
627	Fanning, Clarence	Donalda	22	L. S. 15	32	41	Domestic	1915	1915
656	Finigan, John K.	Halcourt	34	S. W. 1	25	70	Domestic	1915	1921
667	Falkner, William	Alix	18	S. W. 1	39	23	Domestic	1916	1917
688	Furber, W. R.	Ghost Pine	21	L. S. 33	30	22	Domestic	1916	1917
713	Federal Coals Ltd.	Lethbridge	3	L. S. 15	36	8	Domestic	1917	1919
707	Ferndale Coll. Ltd.	Edmonton	25	R. L. 40 E. Sett.			Domestic	1917	1917
729	Fanning, C.	Donalda	22	L. S. 3	5	42	Domestic	1918	1921
733	Firth, Albert & Co.	Lethbridge	3	L. S. 4	11	8	Domestic	1918	1919

## LIST OF MINES.—Continued.

Mine No.	Operator	Address	District No.	Location			Character of Coal	Opening	Date of Abandonment	Re-opening
				S.	T.	W. of R. M.				
758	Fraser, Alec.	Carmangay.	9	L. S.	6...31	14	22	4	1918	.....
771	Foothills Coll. Ltd., The.	Foothills.	32	L. S.	10...24	47	20	5	1918	.....
777	Farrar, Henry.	Lomond.	9	L. S.	9...28	15	21	4	1918	.....
806	Finstead, John, & Co.	Pendant D'Oreille.	5	L. S.	2...21	2	7	4	1919	.....
807	Fanning, C.	Donakda.	22	L. S.	1...29	41	17	4	1919	.....
865	Farnell, J. H.	Big Island.	26	L. S.	4...28	51	25	4	1920	.....
922	Falvo, Dominic.	Strathcona.	26	L. S.	16...10	7	9	4	1921	.....
944	Fodor, John.	Etzikom.	7	L. S.	4...17	55	24	4	1921	.....
13	Gibbard & Boutwell.	Namoo.	27	S. W.	4...17	55	24	4	1901	.....
27	Gough & O'Neill.	St. Albert.	27	Near St. Albert					1896	.....
35	Gillespie Bros.	High River.	10	N. E.	1...6	13	6	4	1898	.....
58	Great Northern Railway.	Pincher Creek.	2	S. of Pincher Creek					1901	.....
67	Gallagher & Hull.	Edmonton.	26	Near Edmonton S.					1902	.....
89	Great West Coal Co. Ltd., The.	Edmonton.	25	S. E.	1...7	53	23	4	1906	.....
99	Great West Coal Co. Ltd., The.	Edmonton.	25	R. L. and Edm. Sett.					1903	.....
127	Carneau, Larry Jr.	Edmonton.	26	N. W.	1...11	11	1	5	1907	.....
184	Good, Rola B.	Pincher Creek.	2	N. W.	1...11	11	1	5	1909	.....
200	Geddes, Day & Gibb.	Medicine Hat.	8	S. E.	1...18	39	15	4	1909	.....
211	Green, H. V.	Halkirk.	18	N. W.	1...1	25	11	5	1914	.....
231	Georgetown Coll. Ltd.	Canmore.	11	L. S.	9...16	3	12	4	1910	.....
278	Georgenson, Sebb.	Lucky Strike.	5	L. S.	10...28	39	16	4	1911	.....
283	Great West Coal Co. Ltd., The.	Edmonton.	25	S. W.	1...12	13	9	4	1911	.....
289	Gray, Armour.	Gadsby.	18	L. S.	10...28	39	16	4	1915	.....
294	Gibson, George.	Grassy Lake.	7	S. W.	1...12	13	9	4	1911	.....
297	Ginther, F. M.	Medicine Hat.	8	S. W.	1...12	13	9	4	1911	.....
336	Gardiner, R.	Medicine Hat.	8	S. W.	1...12	13	9	4	1912	.....
352	Gainford Collieries Ltd.	Gainford.	30		14	53	6	5	1912	.....
359	Grant, John A.	Black Diamond.	10		21	19	2	5	1912	.....
377	Gibson, George S., & Son.	Grassy Lake.	7	L. S.	4...25	9	13	4	1913	.....
378	Consolidated with No. 436.	Aerial.	13	S. E.	1...28	28	19	4	1913	.....
421	Goodie, Philip.	Groton.	5	L. S.	10...10	3	11	4	1913	.....

LIST OF MINES.—(Continued.)

Mine No.	Operator	Address	District No.	Location			Character of Coal	Opening	Date of	
				S.	T.	R. M.			Abandonment	Re-opening
436	Great West Coal Co. Ltd.	Aerial	13	N. E. 1	28	19	Domestic	1914	1914	1914
458	Gilruth, James A.	Fishburn	2	L. S. 8	27	4	Domestic	1914	1914	1914
459	Gartner, Fred	Swallow	20	L. S. 15	30	23	Domestic	1914	1915	1915
478	Giamarino, N.	Della	17	L. S. 12	13	30	Domestic	1915	1915	1915
487	Gidd, Fred	Dowling Lake	17	L. S. 2	33	16	Domestic	1915	1915	1915
603	Griffiths, Evan	Donalda	22	N. E. 1	32	41	Domestic	1915	1918	1918
611	Glover, William	Hanna	17	S. W. 1	29	32	Domestic	1915	1918	1919
623	Gordon, D. R.	Trochu	19	S. W. 1	32	33	Domestic	1915	1916	1916
645	Gwilliam, David	Namao	27	S. W. 1	6	55	Domestic	1916	1917	1917
687	Gibson, Samuel	Grassy Lake	7	L. S. 7	25	9	Domestic	1917	1917	1917
701	Given, John	Drumheller	13	L. S. 10	11	29	Domestic	1917	1918	1920
728	Green, James	Drumheller	13	L. S. 32	27	18	Domestic	1918	1918	1918
747	Gouge, Jesse	Chuny	16	L. S. 3	30	48	Domestic	1918	1918	1918
760	Goss, M. T.	Round Hill	23	S. E. 1	8	51	Domestic	1919	1919	1919
797	Guiche, Fred	Edmonton S.	26	L. S. 3	6	28	Domestic	1919	1919	1919
801	Garriek, John	Drumheller	13	L. S. 9	11	25	Domestic	1920	1920	1920
857	Gilbert, Dwelle & Lee	Standard	16	L. S. 6	2	29	Domestic	1921	1921	1921
898	Gibson Syndicate	Drumheller	13	L. S. 6	2	29	Domestic	1896	1896	1905
6	Humberstone, William	Edmonton	26	R. L. 12	Edm. Sett.		Domestic	1899	1899	1899
17	Holloway, R.	Edmonton	26	N. Sask. River			Bituminous	1905	1905	1905
40	Hillcrest Collieries Ltd.	Hillcrest	1	N. E. 1	18	7	Domestic	1899	1899	1899
43	Humberstone Coal Co. Ltd., The	Edmonton	25	L. S. 15	7	53	Domestic	1906	1910	1910
109	Harper Coal Co.	Edmonton	26	R. L. 22	Edm. Sett.		Domestic	1907	1913	1913
134	Henderson Bros.	Reid Hill	9	N. E. 1	29	16	Domestic	1908	1909	1909
171	Hanna & Moe	Taber	6	S. E. 1	11	10	Domestic	1908	1917	1917
181	Hart, Edward	Taber	6	S. W. 1	7	29	Domestic	1909	1919	1919
189	Hedstrom Bros.	Carbon	21	S. W. 1	9	7	Bituminous	1909	1913	1913
209	Head Syndicate Ltd.	Burnis	1		22	31	Domestic	1909	1915	1915
214	Halbert, William	Three Hills	20		27	10	Domestic	1910	1914	1914
254	Heighes, George	Lethbridge	3		15	9	Domestic	1911	1915	1915
272	Hutchinson, John S.	Bow Island	7	S. E. 1	15	11	Domestic	1911	1913	1913
274	Halkirk Collieries Ltd.	Halkirk	18	N. E. 1	30	38	Domestic	1911	1913	1913
325	Hallett, Thomas	Castor	18	L. S. 8	4	38	Domestic	1911	1914	1915



## LIST OF MINES.—(Continued.)

Mine No.	Operator	Address	District No.	Location			Character of Coal	Date of	
				N.	T.	R. M.		Open- ing	Aban- don- ment
329	Heaney, John.	Castor.	18	N. E. 1	4	38	Domestic.	1911	1921
335	Hutchison, W. E.	Drumeller.	13	1	14	29	Domestic.	1912	1915
366	Holmes, Joseph.	Grassy Lake.	7	S. of Grassy Lake			Domestic.	1912	1913
373	Hedrich, William.	Trochu.	19	S. E. 1	20	33	Domestic.	1912	1913
380	Halliday, George W.	Delia.	17	1	28	30	Domestic.	1913	1918
417	Hallett, Thomas.	Castor.	18	N. E. 1	26	37	Domestic.	1913	1921
426	Halbert, William.	Trochu.	19	N. E. 1	12	33	Domestic.	1913	1918
427	Hronek, Benjamin.	Halkirk.	18	N. E. 1	18	39	Domestic.	1914	1918
437	Hudson, W. H.	Queenstown.	9	L. S. 1	23	18	Domestic.	1914	1915
472	Hildahl, Edwin.	Martin.	14	L. S. 7	28	31	Domestic.	1914	1917
477	Halliday, George W.	Delia.	17	L. S. 3	28	30	Domestic.	1915	1917
493	Consolidated with No. 325.	Castor.	18	S. W. 1	35	8	Domestic.	1915	1916
638	Harrison, Stephen.	Lethbridge.	3	L. S. 4	16	10	Domestic.	1916	1918
674	Hannah, G. G.	Lethbridge.	3	L. S. 13	12	32	Domestic.	1916	1918
694	Hodgson, Joseph.	Rowley.	14	L. S. 16	36	33	Domestic.	1917	1917
696	Hunter, John T.	Garden Plain.	17	L. S. 5	17	29	Domestic.	1917	1917
709	Halbert, David.	Sheerness.	19	L. S. 13	30	14	Domestic.	1917	1918
730	Hetherington, Frederick.	Carnangay.	9	L. S. 13	30	14	Domestic.	1918	1918
754	Hamilton, W. L.	Pincher Creek.	2	L. S. 9	27	6	Domestic.	1918	1920
776	Hy-Grade Coal Co. of Drumheller Ltd.	Drumeller.	13	L. S. 4	11	29	Domestic.	1918	1920
778	Hanson, C. H.	Edberg.	22	L. S. 13	43	18	Domestic.	1918	1918
791	Haywood & Ayr.	Gadsby.	18	S. E. 1	7	40	Domestic.	1918	1921
823	Harleth Coal Co.	Norlegg.	15	N. W. 1	28	12	Domestic.	1919	1919
825	Haines, A. E.	Medicine Hat.	8	1	41	14	Bituminous.	1919	1919
859	Halbert, David.	Trochu.	19	N. W. 1	23	33	Domestic.	1920	1920
871	Hamilton, J. F.	Lethbridge.	3	L. S. 14	36	8	Domestic.	1920	1920
876	Heape, J. P.	Donalda.	22	N. E. 1	28	41	Domestic.	1920	1921
882	Haywood, A.	Gadsby.	18	L. S. 11	7	40	Domestic.	1921	1921
884	Henderson & Stringer	Calgary.	21	N. E. 1	10	29	Domestic.	1921	1921
913	Hook, Alfred J.	Halkirk.	18	L. S. 1	7	39	Domestic.	1921	1921

LIST OF MINES.—(Continued)

Mine No.	Operator	Address	District No.	Location			Character of Coal	Date of	
				S.	T.	W. of R. M.		Open- ing	Aban- don- ment
914	Haley & Paterson.....	Wheat Centre.....	16	L. S.	3	23	17	17	1921
948	Hill, Thomas.....	Rosalind.....	22		8	43	17	4	1921
88	International Coal & Coke Co. Ltd.	Coleman.....	1		8	8	4	5	1903
111	Irvine, Thomas.....	Elcan.....	6	N.	1	4	10	17	1906
114	Independent Coal Co. Ltd, The	Elcan.....	6	S. E.	1	4	10	17	1906
115	International Construction & Mining Co. Ltd., The.....	Carbon.....	21	L. S.	13	12	29	23	1906
138	International Land Dev. Co.....	Winnitred.....	7		19	10	10	9	1907
159	Imperial Coal Co.....	Taber.....	6		5	10	17	4	1907
748	Ivey, John.....	Drumheller.....	13	S.	1	6	28	20	1918
844	Ideal Coal Co. Ltd.....	Wayne.....	13	N. E.	1	4	28	20	1920
856	Ives, Henry.....	Carbon.....	21	L. S.	13	11	29	23	1920
269	James, C. K.....	Halkirk.....	18	N. W.	1	18	39	15	1913
280	Jasper Park Collieries Ltd.....	Pocahontas.....	31	L. S.	9	6	49	27	1921
312	James, C. K.....	Gadsby.....	18	S. E.	1	28	39	16	1913
371	Jacobson, John.....	Bow Island.....	7	L. S.	1	21	12	10	1911
407	Jaynes, Robert.....	Milk River.....	5	L. S.	1	29	2	15	1912
447	James Bros.....	Forestburg.....	22	N. W.	1	28	40	15	1913
462	Jeffrey, James.....	Maycroft.....	2		32	10	2	5	1914
470	Joberg, A. F.....	Dela.....	17	N. W.	1	21	30	17	1915
482	Consolidated with No. 470.....	Dela.....	17	E.	1	21	30	17	1915
642	Jennings, Peter B.....	Pendant D'Oreille.....	5	L. S.	1	22	2	7	1916
643	Jewel Collieries Ltd.....	Wayne.....	13	S. E.	1	7	28	19	1916
683	Jasper Park Collieries Ltd.....	Pocahontas.....	31	L. S.	9	12	49	28	1917
686	Jackson, Alfred.....	Grassy Lake.....	7	L. S.	1	27	9	13	1917
691	Jackson, Alfred.....	Grassy Lake.....	7	L. S.	15	23	9	13	1917
746	Jones, Samuel A.....	Drumheller.....	13	L. S.	16	30	29	19	1918
809	Jones, Walton & Sissons.....	Alix.....	19	L. S.	6	33	38	23	1921

LIST OF MINES.—(Continued.)

Mine No.	Operator	Address	Dis- trict No.	Location			Character of Coal	Date of		Re- open- ing
				S.	T.	W. of M.		Open- ing	Aban- don- ment	
841	Johnson, Chris.	Carbon	21	N. E. 1	9	22	Domestic	1919	1920	...
853	Jackson, Walter	Donalda	22	L. S. 14	32	41	Domestic	1920	...	...
866	Johnston, Frank G.	Medicine Hat	8	L. S. 10	28	12	Domestic	1920	...	...
938	James, David	Alliance	22	L. S. 36	40	13	Domestic	1921	...	...
960	Jones, William	Forestburg	22	L. S. 12	31	40	Domestic	1921	...	...
53	Knee Hill Coal Co. Ltd.	Carbon	21	S. W. 1	14	29	Domestic	1898	1921	...
69	Keith & Fulton	Clover Bar	25	L. S. 16	7	53	Domestic	1902	...	...
103	Knowlton, G. H.	Carstairs	11	L. S. 14	19	29	Bituminous	1905	1913	...
120	Kummer, William	Longview	10	S. W. 1	8	18	Domestic	1906	1921	...
125	Ketchum Coal Co.	Edmonton	25	N. W. 1	53	23	Domestic	1906	1910	...
178	Consolidated with No. 397.	Namoo	27	S. E. 1	8	55	Domestic	1908	...	...
194	Knee Hill Coal Co. Ltd.	Three Hills	21	N. W. 1	4	31	Domestic	1909	...	...
197	Consolidated with No. 226.	Eyrenore	16	N. W. 1	9	17	Domestic	1909	...	...
219	Knowlton, G. H.	Bituma	11	L. S. 13	10	29	Bituminous	1910	1915	...
226	Kleenbim Collieries Ltd.	Eyrenore	16	L. S. 2	16	17	Domestic	1910	...	...
333	Kovaice, Frank	Granlea	7	S. W. 1	9	8	Domestic	1912	1916	...
375	Kane, T. A.	Garden Plam	17	L. S. 7	1	34	Domestic	1912	...	...
397	Kelly Coal Co. Ltd.	Namoo	27	S. E. 1	8	55	Domestic	1913	...	...
399	Koffler, Mike	Prosper	7	S. W. 1	13	7	Domestic	1913	1915	...
423	Kalin, John	Trochu	19	L. S. 15	22	33	Domestic	1914	1917	1919
428	Kelly, Mrs. E.	Namoo	27	N. E. 1	8	55	Domestic	1914	1915	1921
440	Kaye, Herschel	Maycroft	2	N. E. 1	11	10	Domestic	1914	1916	...
445	Knee Hill Valley Coal Co.	Twining	20	L. S. 6	14	31	Domestic	1914	...	...
480	Klump, Dan	Delia	17	L. S. 6	23	30	Domestic	1915	1915	...
484	Krozier, John	Hutton	16	N. E. 1	7	23	Domestic	1915	1918	...
496	Keeln, John	Craigmyle	17	L. S. 7	3	33	Domestic	1915	...	...
633	Kent, Johnson & Whitford	Bon Accord	28	N. E. 1	17	56	Domestic	1916	1918	...
635	Kurp, Theo.	Delburne	19	L. S. 4	7	38	Domestic	1916	1919	...
679	Kordisch, Herman	Donalda	22	L. S. 9	32	41	Domestic	1917	1920	1921
790	Kurp, B. C.	Delburne	19	L. S. 10	38	41	Domestic	1918	1919	...

LIST OF MINES.—(Continued.)

Mine No.	Operator	Address	District No.	Location			Character of Coal	Date of		Re-opening
				S.	T.	R. M.		Open- ing	Aban- don- ment	
828	King, J. J.	Edberg	22	L. S. 6	32	43	Domestic	1919	.....	.....
836	Keystone Colliery	Lethbridge	3	L. S. 3	36	8	Domestic	1919	.....	.....
837	Kuhnert, Miller & Hine	Edmonton S.	26	L. S. 4	6	22	Domestic	1919	.....	.....
839	Kear's, J. W.	Standard	16	S. E. 1	29	24	Domestic	1919	.....	.....
900	Kerrison, T. W.	Eyremore	16	L. S. 12	23	17	Domestic	1921	.....	.....
915	Ketchmark, George	Eyremore	16	L. S. 15	14	17	Domestic	1921	.....	.....
917	Knee Hill Coal Co. Ltd.	Calgary	21	N. W. 4	14	29	Domestic	1921	.....	.....
947	Kellough, W. D.	Lathoon	16	.....	13	17	Domestic	1921	.....	.....
967	Kurp, B. C.	Delburne	19	.....	11	38	Domestic	1921	.....	.....
968	Kubi, Emil	Edburg	18	S. W. 1	4	36	Domestic	1921	.....	.....
126	Leitch Collieries Ltd.	Passburg	1	.....	14	7	Bituminous	1906	.....	.....
131	Larson, Andrew	Travers	6	.....	14	10	Domestic	1907	.....	.....
185	Long, D. H.	Bow Island	7	L. S. 7	36	11	Domestic	1909	.....	.....
192	Lethbridge, City of	Lethbridge	3	L. S. 9	36	8	Domestic	1909	.....	.....
205	Lindqvist, A. A.	Bow Island	7	L. S. 5	22	12	Domestic	1911	.....	.....
309	Laatz, F. W.	Fraseron	17	S. E. 1	21	28	Domestic	1911	.....	.....
319	Lake View Coal Co.	Wabunan	29	L. S. 5	22	12	Domestic	1911	.....	.....
324	Lavenne, Jules	Winnifred	7	L. S. 8	21	12	Domestic	1913	.....	.....
400	Lavenne, Jules	Winnifred	7	L. S. 15	9	53	Domestic	1913	.....	.....
419	Lakeside Coals Ltd.	Wabunan	29	L. S. 15	18	39	Domestic	1914	.....	.....
441	Linder, Karl	Halkirk	18	L. S. 15	18	31	Domestic	1914	.....	.....
444	Lebisto, John	Twinning	20	L. S. 11	14	24	Domestic	1915	.....	.....
467	Lancaster & Willan	Canrose	23	.....	29	46	Domestic	1915	.....	.....
601	Law, George	Round Hill	23	N. E. 1	10	48	Domestic	1915	.....	.....
602	Littleford, John T.	Little Plume	8	L. S. 6	2	9	Domestic	1915	.....	.....
613	Lindqvist & Anderson	Donakla	22	L. S. 7	30	41	Domestic	1915	.....	.....
676	Lindqvist Coal Co. Ltd.	Lethbridge	3	L. S. 12	12	9	Domestic	1916	.....	.....
677	Lavenne, Jules	Winnifred	7	L. S. 1	21	12	Domestic	1917	.....	.....
698	Lanark Coal Co.	Elean	6	L. S. 2	4	10	Domestic	1917	.....	.....
706	Lyon, G. E.	Morley	11	L. S. 3	17	26	Bituminous	1917	.....	.....
740	Lindqvist, Victor	Aerial	13	L. S. 11	29	28	Domestic	1918	.....	.....

## LIST OF MINES.—(Continued.)

Mine No.	Operator	Address	District No.	Location				Character of Coal	Date of		Re-opening
				S.	T.	R.	W. of M.		Open-ing	Aban-don-ment	
751	Lavenne, Jules.	Winnifred	7	L. S. 2	27	12	10	Domestic	1918		
789	Lindqvist, Victor	Donalda	22	L. S. 8	25	41	18	Domestic	1918		
812	Lasseier, Thos. E.	Delburne	19	L. S. 15	2	38	24	Domestic	1919	1920	
858	Little, Edward	Longview	10	L. S. 1	9	18	2	Domestic	1920		
894	Lowry Bros.	Nevis	18	S. W. 1	15	38	22	Domestic	1921		
903	Last, Harry	Elkwater	8	L. S. 16	23	8	3	Domestic	1921		
905	Luscar Collieries Ltd.	Mountain Park	33	L. S. 16	23	47	24	Bituminous	1921		
926	Logan, Peter R.	Morinville	28	N. E. 1	36	56	26	Domestic	1921		
961	Larson & Berry	Holborn	26	L. S. 16	34	50	1	Domestic	1921		
5	Martin, Robert	Edmonton S.	26	R. L. 26	Edm. Sett.			Domestic	1897	1902	
12	Martin & King	Edmonton S.	26	R. L. 26	Edm. Sett.			Domestic	1897	1904	
15	Marsh & Neel	Edmonton S.	26	R. L. 18	Edm. Sett.			Domestic	1897	1902	
52	Mays Coal Co.	Edmonton	25	R. L. 7	53	23		Domestic	1901	1902	
60	Martin, E. D.	Edmonton	26	R. L. 25	Edm. Sett.			Domestic	1902	1904	
74	Milner & Shoeman	Edmonton	25	R. L. 7	53	23		Domestic	1903	1913	
100	Martin Brothers	Edmonton S.	26	N.	20	51	1	Domestic	1905	1905	
124	Marsh, John	Edmonton	6	N.	16	4	10	Domestic	1906	1910	
133	Mohawk Bituminous Mines Ltd.	Edmonton	1	N.	16	21	7	Domestic	1907	1915	1919
140	Marsh, John	Edmonton	6	S. E. 1	4	10	17	Domestic	1907	1910	
158	Marsh Brothers	Edmonton	6	S. E. 1	4	10	17	Domestic	1907	1910	
175	Marsh, John	Edmonton	6	S. E. 1	4	10	17	Domestic	1908	1909	
180	Mills, Jonathan J.	Edmonton	6	S. E. 1	4	10	17	Domestic	1908	1908	
246	Marmel & Persling	Edmonton	18	L. S. 13	23	9	13	Domestic	1910	1918	1921
266	Murphy, M. T.	Edmonton	5	L. S. 14	34	37	14	Domestic	1911	1911	
277	Miller, Irving E.	Edmonton	33	L. S. 8	35	2	12	Domestic	1911	1914	1921
282	Mountain Park Coal Co. Ltd.	Edmonton	33	L. S. 33	45	23	5	Domestic	1911	1913	
292	Morris, John	Edmonton	2	S. W. 1	29	6	30	Domestic	1911	1913	
299	Medloski, Joe	Edmonton	13	S. W. 1	29	26	21	Domestic	1911	1918	1920
330	Mikilik, John	Edmonton	2	S. W. 1	25	5	2	Domestic	1911	1918	
331	Mitchell, A. E.	Edmonton	7	S. W. 1	3	10	11	Domestic	1912	1913	

LIST OF MINES.—(Continued.)

Mine No.	Operator	Address	District No.	Location			Character of Coal	Date of		Re-open- ing
				S.	T.	W. of M.		Open- ing	Aban- don- ment	
354	Miller, Arthur.	Delia.	17	L. S.	9. 21	30 17	Domestic	1912	1918	1918
367	Midland Collieries Ltd.	Midlandvale.	13	L. S.	10. 9	29 20	Domestic	1912	.....	.....
395	Molloy, Andrew.	Picture Butte.	3	L. S.	14. 27	10 21	Domestic	1913	.....	.....
434	M. P. Collieries.	Taber.	6	L. S.	8. 4	10 17	Domestic	1914	1921	.....
451	Mehelitz, Frank.	Botha.	18	S. E.	1. 11	39 16	Domestic	1914	1918	.....
466	Moore, Clark.	Eyrenore.	16	S. W.	1. 15	17 17	Domestic	1915	1915	.....
489	Murray, John.	Grassy Lake.	7	S. W.	9	10 13	Domestic	1915	1915	.....
497	Morse & Larrair.	Hanna.	17	L. S.	1. 19	29 14	Domestic	1915	.....	.....
604	March, Adam.	Donalda.	22	L. S.	15. 32	41 18	Domestic	1915	1918	.....
615	Martin, Charles F.	Heisler.	22	L. S.	1. 28	42 17	Domestic	1915	.....	.....
617	Morland Brothers.	Sterler.	18	L. S.	1. 24	37 22	Domestic	1915	1916	.....
618	Munsey, M. S.	Foreman.	22	L. S.	9. 26	40 16	Domestic	1915	1921	.....
622	Miner, Albert T.	Kelsey.	22	S. W.	1. 8	43 17	Domestic	1915	1917	1918
649	Moody, James.	Pendant D'Oreille.	5	L. S.	16. 22	2 7	Domestic	1916	1917	.....
668	May, Frank.	Beazer.	5	L. S.	3. 7	2 26	Domestic	1916	1917	.....
675	Murray, J. N.	Drumheller.	13	L. S.	10. 28	27 18	Domestic	1916	1918	.....
685	Munton, Evan.	Long Coulee.	9	L. S.	4. 17	15 21	Domestic	1917	1920	1920
702	Mullen & Williams.	Elcan.	6	L. S.	13. 3	10 17	Domestic	1917	1918	1918
719	Mitchinson, J.	Donakia.	22	L. S.	1. 5	42 18	Domestic	1917	.....	.....
727	Marx, G. W. D.	Huxley.	19	L. S.	15. 24	34 22	Domestic	1918	1918	.....
734	Marzoli & Company.	Rosedale St.	13	L. S.	11. 21	28 19	Domestic	1918	.....	.....
752	Miller, J. K.	Drumheller.	13	L. S.	3. 2	28 20	Domestic	1918	1918	.....
766	Moonlight Coal Co. Ltd.	Rosedale St.	13	L. S.	16. 16	28 19	Domestic	1918	1921	.....
779	Mosley, Aaron.	Pincer Creek.	2	N. W.	1. 17	6 30	Domestic	1918	1919	.....
783	Munro, Alex.	Rose Lynn.	17	L. S.	13. 27	28 13	Domestic	1918	1919	.....
785	Martin, Sebastian.	Forestburg.	22	L. S.	5. 33	40 15	Domestic	1918	1920	.....
805	Murphy, Losie & Lindqvist.	Donalda.	22	L. S.	8. 25	41 18	Domestic	1919	1920	.....
826	Miller, W. O.	Del Bonita.	5	L. S.	13. 28	1 22	Domestic	1919	1920	.....
843	Monkman, A.	Lake Saskatoon.	34	S. W.	1. 22	70 7	Domestic	1920	1920	.....
848	Mid-West Collieries Ltd.	Drumheller.	13	L. S.	7. 2	29 20	Domestic	1920	.....	.....

LIST OF MINES.—(Continued.)

Mine No.	Operator	Address	Dis-trict No.	Location			Character of Coal	Date of	
				L. S.	S.	W. of M.		Open-ing	Re-open-ing
863	Mitchinson, Joseph	Donalda	22	L. S. 2	5	42	Domestic	1920	1921
911	Meek, F. G.	Heister	22	L. S. 1	33	42	Domestic	1921	1921
950	Marte & Wierzb.	Leduc	26	L. S. 5	6	51	Domestic	1921	1921
953	Martin Bros. & Robinson	Forestburg	22	L. S. 8	32	40	Domestic	1921	1921
956	Muncy Brothers	Foreman	22	L. S. 2	35	40	Domestic	1921	1921
30	McPherson, A. D.	Black Diamond	10	L. S. 11	8	20	Domestic	1899	1921
49	McPeak Coal Co.	Edmonton	26	112th Ave. & 76th St.			Domestic	1905	1905
119	McIntosh, C. G.	High River	10	S. W. 1	16	18	Domestic	1906	1908
149	McDevitt, J. J.	Tofield	24	S. W. 1	24	50	Domestic	1907	1907
204	McGillivray Creek Coal & Coke Co. Ltd.	Coleman	1	17	8	4	Bituminous	1909	1909
217	McWilliams, Alex.	Lethbridge	3	8	10	22	Domestic	1909	1911
222	McFarlane, William	Pincher Creek	2	27	6	2	Domestic	1910	1913
253	McKinnon, A. D.	Pincher Creek	2	36	5	2	Domestic	1910	1915
275	McCormack, A. D.	Castor	18	S. W. 1	3	38	Domestic	1911	1911
304	McLean, Hugh D.	Castor	18	S. E. 1	34	37	Domestic	1911	1911
334	McAlister, Robert	Suffield	8	29	13	10	Domestic	1912	1914
343	McGuire, A. J.	Lethbridge	3	E. 1	25	8	Domestic	1912	1913
385	McGuire, James S.	Trochu	19	S. E. 1	16	33	Domestic	1913	1913
398	McCafferty, Thomas	Fertility	17	S. E. 1	18	33	Domestic	1913	1915
405	McIntyre, W. H.	Magrath	4	L. S. 3	24	3	Domestic	1913	1921
408	McGuire, A. J.	Crow's Nest	1	L. S. 4	5	8	Bituminous	1913	1913
418	Consolidated with No. 275	Castor	18	S. E. 1	3	4	Domestic	1913	1917
455	McPherson, Peter	Fishburn	2	L. S. 12	36	35	Domestic	1914	1916
468	McFadden & Farnell	Big Valley	14	L. S. 2	6	30	Domestic	1915	1916
612	McLean, Charles A.	Wildunn	17	L. S. 1	6	29	Domestic	1915	1921
626	McRae, W. A.	Parr	17	L. S. 6	1	3	Domestic	1916	1916
644	McAlpine, A. H.	Kippenville	5	L. S. 6	1	3	Domestic	1916	1917
664	McTaggart & Morton	Erskine	18	N. E. 1	33	38	Domestic	1916	1917
699	McIntyre & Son	Clover Bar	25	L. S. 15	8	53	Domestic	1917	1917

LIST OF MINES.—(Continued.)

Mine No.	Operator	Address	Dis- trict No.	Location				Character of Coal	Date of		Re- open- ing
				L. S.	S.	T.	R. M.		Open- ing	Aban- don- ment	
714	McDonald, William	Champion	9	L. S. 4	9	15	22	4	Domestic	1917	1917
773	McGuire Collieries Ltd.	Edmonton	26	R. L. 2	121st St.				Domestic	1918	1919
846	McLeod River Hard Coal Co.	Coalspur	32	L. S. 5	25	48	22	5	Bituminous	1920	1920
874	McLean, J. R.	Forestburg	22	L. S. 6	2	41	16	4	Domestic	1920	1920
889	Mellwaite, Robert	Lethbridge	3	L. S. 16	2	8	22	4	Domestic	1921	1921
921	McKinlay, Thomas	Trochu	19	L. S. 16	14	33	23	4	Domestic	1921	1921
929	McNaughton, Harry	Champion	9	N. W. 1	16	16	21	4	Domestic	1921	1921
951	McDermund, C. C.	Alix	19	School Sec.	29				Domestic	1921	1921
57	Nash, Thomas	Pincher Creek	2	S. 1	34	5	29	4	Domestic	1913	1913
141	Namao Coal Co.	Namao	27	W. 2	3	55	24	4	Domestic	1907	1909
174	North American Coll. Ltd.	Coalhurst	3	L. S. 2	21	9	22	4	Domestic	1908	1908
203	New Barnes Coal Mine Co.	Lethbridge	3	L. S. 9	31	9	21	4	Domestic	1909	1909
227	North American Coll. Ltd.	Evansburg	30	S. E. 1	30	53	7	5	Domestic	1910	1910
233	North American Coll. Ltd.	Lovettville	32	L. S. 6	7	23	14	4	Domestic	1911	1911
257	Noble, William G.	Hutton	16	N. W. 1	28	53	25	4	Domestic	1911	1916
267	North American Coll. Ltd.	St. Albert	26	L. S. 6	29	49	26	5	Bituminous	1911	1913
310	North Alberta Coal Syndicate	Pocahontas	31	S. E. 1	9	29	20	4	Domestic	1911	1913
317	Newcastle Coal Co. Ltd.	Drumheller	13	S. W. 1	5	34	22	4	Domestic	1911	1916
327	Nicol & Bradshaw	Trochu	19	L. S. 5	23	29	20	4	Bituminous	1911	1913
348	Nesner, John	Munson	13			39	10	5	Domestic	1911	1913
350	Northern Construction Co.	Winnipeg	15			27	4	4	Domestic	1912	1916
357	Nash, Thomas	Pincher Creek	2			30	34	21	Bituminous	1912	1914
376	Nelson & Johnson	Trochu	19			29	7	4	Domestic	1912	1914
393	North Kootenay Pass Coal Co.	Frank	1			29	29	20	Domestic	1913	1913
402	North American Coll. Ltd.	Nacmine	13	Sed. 7-	8	29	20	4	Bituminous	1913	1913
412	New Fra Coal Co. Ltd.	Wabamun	29			14	53	4	Domestic	1913	1915
658	Noble, Henry	Boundary Creek	5	L. S. 1	15	1	26	4	Domestic	1916	1916



## LIST OF MINES.—(Continued.)

Mine No.	Operator	Address	District No.	Location			Character of Coal	Date of		Re-opening
				S.	T.	R. M.		Open- ing	Aban- don- ment	
692	Natras, D. W.	Boundary Creek.	5	L. S. 1..15	1	26	Domestic...	1916	1918	
731	North Star Coal Co.	Alix	19	L. S. 16..33	38	23	Domestic...	1918		
816	Newcastle Junior Mining Co. Ltd.	Drumheller	13	L. S. 9...3	29	20	Domestic...	1919		
855	Noble, Henry	Boundary Creek.	5	L. S. 11..15	1	26	Domestic...	1920		
37	Consolidated with No. 772.	Medicine Hat	8	L. S. 4...5	13	6	Domestic...	1899	1919	
91	Ottewell Coal Mine, R. P.	Clover Bar	25	S. W. 1...17	53	23	Domestic...	1904		
170	Oliver, Edward	Taber	6	L. S. 14..3	10	17	Domestic...	1908		
201	Oliver, Lewis	Taber	6	L. S. 4..5..18	10	16	Domestic...	1909		
242	Orr, David	Kelsey	22	L. S. 3...15	44	19	Domestic...	1910	1916	1921
262	Oscar Collieries Ltd.	Sheerness	17	L. S. 2...19	29	12	Domestic...	1910		
295	Owen, J. H.	Pincher Creek	2	N. W. 4...10	5	1	Domestic...	1911		
648	Oliphant-Munson Coll. Ltd.	Basing	32	N. E. 1...23	48	21	Bituminous	1916	1920	
670	Olson, Emil	Hanna	17	S. W. 1...19	29	14	Domestic...	1916	1917	
772	Oliphant, John	Medicine Hat	8	S. W. 1...5	13	6	Domestic...	1918		
814	Oliver, Lewis	Foremost	7	L. S. 3...28	6	11	Domestic...	1918		
818	Ogilvie & Large	Twining	20	L. S. 2...11	31	24	Domestic...	1919		
892	Ordza & Thomas	Edmonton	26	R. L. 25, Edm. Sett.			Domestic...	1921		
940	O'Connor, William T.	Castor	18	L. S. 10..24	37	14	Domestic...	1921		
29	Poholko, Steve	Edmonton S.	26	L. S. 11..25	51	25	Domestic...	1897	1921	1921
139	Patterson, Thomas	Edcan	6	S. E. 1...26	9	18	Domestic...	1907	1913	
145	Pincher Creek Coal Mining Co. Ltd.	Pincher Creek	2		6	30	Bituminous	1909	1914	
210	Premier Coal & Coke Co. Ltd.	Frank	1		5	4	Bituminous	1910	1913	
261	Paulson, P. A.	Coleman	1		7	4	Bituminous	1911	1919	
318	Paxon, John	Carbon	21	L. S. 9...29	30	22	Domestic...	1912	1913	
369	Petrie, J. H.	Edmonton S.	26		28	51	Bituminous	1913	1913	
392	Peace River Collieries Ltd.	Peace River	31		1	60	Bituminous	1913	1913	
394	Palmer Coal Co.	Burnis	1	25 miles S. W. Burnis			Bituminous	1913	1913	

LIST OF MINES.—(Continued.)

Mine No.	Operator	Address	District No.	Location			Character of Coal	Date of		Re-open- ing
				S.	T.	R. M.		Open- ing	Aban- don- ment	
411	Pyrah, Samuel.	Magrath.	4	N. W.	8	21	Domestic.	1913	1914	.....
413	Page & Dayton.	Raymond.	4	1.	29	4	Domestic.	1913	1915	.....
414	Popik, Dan.	Berford.	26	4	48	27	Domestic.	1913	1914	.....
439	Premier Coal Co. Ltd.	Drumheller.	13	L. S.	3	20	Domestic.	1914	.....	.....
621	Pattison, Chas. H.	Carbon.	21	11	29	23	Domestic.	1915	1916	.....
650	Peruzzo, Ermino.	Beazer.	5	L. S.	16.	2	Domestic.	1916	.....	.....
662	Pickering, William H.	Donalda.	22	L. S.	8.	17	Domestic.	1916	1917	.....
681	Parge, Charles H.	Twining.	20	N. E.	1	24	Domestic.	1917	1917	.....
710	Peters & Kinchun.	Trochu.	19	L. S.	16.	23	Domestic.	1917	.....	.....
723	Pattison, Robert.	Verdant Valley.	13	L. S.	13.	18	Domestic.	1917	1919	.....
742	Pederson, Laurentz.	Donalda.	22	L. S.	13.	17	Domestic.	1918	1921	.....
759	Patterson, A. C.	Commerce.	3	L. S.	2.	21	Domestic.	1918	1921	.....
763	Phoenix Coal Co.	Aerial.	13	S. E.	1.	15	Domestic.	1918	1921	.....
784	Porter, R. H.	Rose Lynn.	17	L. S.	1.	28	Domestic.	1918	1920	.....
798	Paulina, Pete.	Edmonton S.	26	L. S.	8.	26	Domestic.	1919	1920	.....
803	Pacey, John C.	Manyberries.	5	L. S.	7.	9	Domestic.	1919	.....	.....
811	Palisade Coal Co. Ltd. The.	Three Hills.	20	W.	3.	24	Domestic.	1919	.....	.....
840	People's Mine, The.	Eyrenore.	16	S. W.	1.	17	Domestic.	1919	1921	.....
849	Pettit, J. L.	Halcourt.	34	1.	15	10	Domestic.	1920	1921	.....
850	Perlin, H. E.	Coleman.	1	21	70	5	Bituminous.	1920	1921	.....
851	Peerless Carbon Coal Co.	Carbon.	21	L. S.	35	7	Domestic.	1920	.....	.....
854	Pacific Colliery.	Lovettville.	32	1.	14	29	Bituminous.	1920	.....	.....
887	Parr, John.	Castor.	18	S. W.	1.	19	Domestic.	1920	1921	.....
888	Pearson, Magnus.	Calmar.	26	S. E.	26	14	Domestic.	1921	.....	.....
901	Perillo, Ralph.	Gem.	16	L. S.	6.	27	Domestic.	1921	.....	.....
927	Pattison, Charles.	Carbon.	21	L. S.	15.	15	Domestic.	1921	.....	.....
934	Perry, W. H.	Burdett.	7	L. S.	2.	23	Domestic.	1921	.....	.....
949	Paton, George.	Delburne.	19	L. S.	10.	11	Domestic.	1921	.....	.....
933	Quebec, J. M.	Edmonton S.	26	N. E.	1.	37	Domestic.	1921	.....	.....
18	Ramsay & George.	Edmonton.	26	L. S.	4.	25	Domestic.	1921	1907	.....
39	Reliance Coal Mining Co.	Taber.	6	R. L.	23, Edm. Sett.	16	Domestic.	1905	1909	.....

## LIST OF MINES.—(Continued.)

Mine No.	Operator	Address	District No.	Location			Character of Coal	Date of		Re-opening
				S.	T.	W. of R. M.		Open- ing	Aban- don- ment	
51	Ransome, M. E.	Edmonton.	25	R. L.	42, Edm. Sett.		Domestic.	1901	1906	
56	Rollingson, John	Magrath.	4	L. S.	2... 7	21	Domestic.	1909		
75	Reeh, Charles	Namoo.	27	L. S.	4... 16	55	Domestic.	1903	1917	
82	Regal Collieries Ltd.	Taber.	6		8	10	Domestic.	1907	1916	
92	Royal Collieries Ltd.	Royal View.	3	S. E.	1... 31	9	Domestic.	1904	1913	
128	Rosedale Coal Co.	Edmonton.	26	R. L.	28, Edm. Sett.		Domestic.	1907	1909	
136	Rhodes, George	Long Coulee.	9	L. S.	7... 8	15	Domestic.	1907		
154	Raisbeck, Luke	Grassy Lake.	7	S.	3... 9	10	Domestic.	1907	1911	
156	Rupert's Land Coal Co.	Oliver.	25		11	54	Domestic.	1907	1908	
161	Reece, William	Magrath.	4		2	7	Domestic.	1907	1914	1920
162	Reece, William	Magrath.	4	S. W.	1... 1	7	Domestic.	1907	1919	
165	Redcliff Brick & Coal Co. Ltd.	Redcliff.	8	L. S.	14... 5	13	Domestic.	1908		
169	Russell, John	Mitford.	11		13	26	Bituminous.	1908	1915	
172	Reynolds, H.	Elcan.	6		4	10	Domestic.	1908	1910	
182	Raymond Coal Co.	Edmonton.	25		27	53	Domestic.	1909	1908	
212	Ruscoe, Richard	Halkirk.	18	N. W.	1... 8	39	Domestic.	1910	1913	
221	Riviere Qui Barre Coal Co.	Riviere Qui Barre.	28	S. E.	1... 30	55	Domestic.	1910		
228	Regal Collieries Ltd.	Taber.	6	L. S.	8... 19	10	Domestic.	1910		
250	Round Hill Collieries Ltd.	Round Hill.	23	S. E.	1... 30	48	Domestic.	1910		
281	Russell, J.	Cremona.	11	L. S.	13... 30	29	Domestic.	1911	1919	
301	Robinson, U. G.	Big Valley.	14		Near Big Valley		Bituminous.	1911	1914	
320	Rider Bros.	Gadsby.	18	N. W.	1... 31	40	Domestic.	1911	1913	
332	Ross Clay Products Co. Ltd.	Redcliff.	8	N. W.	1... 9	13	Shale.	1912	1914	1920
344	Raber, Elsworth	Winnifred.	7	L. S.	13... 22	12	Domestic.	1912	1914	
346	Rosedale Coal Co. Ltd.	Rosedale.	13	L. S.	14... 28	28	Domestic.	1912		
347	Rose-Deer Coal Mining Co. Ltd.	Wayne.	13	L. S.	13... 7	28	Domestic.	1912		
353	Roberts, William	Foremost.	7		36	6	Domestic.	1912	1916	
363	Rathburn, L. F.	Longview.	10		8	18	Domestic.	1912	1913	
379	Redcliff Pressed Brick Co. Ltd.	Redcliff.	8	L. S.	5... 9	13	Domestic.	1913	1914	1916
431	Rambo, M. C.	Edson.	30	N. W.	1... 2	53	Domestic.	1914	1914	
446	Ruffell, Alfred	Lethbridge.	3	S. E.	1... 31	9	Domestic.	1914	1914	
450	Robinson, William	Forestburg.	22	L. S.	1, 8... 32	40	Domestic.	1914	1915	

LIST OF MINES.—(Continued.)

Mine No.	Operator	Address	Dis- trict No.	Location			Character of Coal	Date of		
				S.	T.	R.		Open- ing	Aban- don- ment	Re- open- ing
465	Raisbeck, Luke.....	Grassy Lake.....	7	S. E. 1	9	10	Domestic...	1915	1917	....
469	Ross, R. A.....	Scollard.....	14	L. S. 9	34	21	Domestic...	1915	1917	....
479	Royal, Edward.....	Craigmyle.....	17	S. E. 1	12	31	Domestic...	1915	1915	....
606	Riley, John W.....	Lundbreck.....	2	N. W. 1	26	7	Domestic...	1915	1917	....
608	Richmond, Andrew.....	Erskine.....	18	L. S. 15	10	38	Domestic...	1916	1917	....
653	Ray, George Alex.....	Halcourt.....	34	S. E. 1	25	70	Domestic...	1916	1917	....
671	Reed, Archer M.....	Ghost Pine.....	21	S. W. 1	28	30	Domestic...	1916	1917	....
718	Rataushk, Fred.....	Eagle Butte.....	8	L. S. 15	28	8	Domestic...	1917	....	....
720	Rudolph Brothers.....	Edmonton S.....	26	L. S. 13	5	51	Domestic...	1917	....	....
743	Rawlusk, Pete.....	Beynon.....	13	L. S. 1	30	27	Domestic...	1918	1918	....
765	Redcliff Brick & Coal Co. Ltd.	Redcliff.....	8	L. S. 14	5	13	Domestic...	1918	....	....
794	Roth, John.....	Etzikom.....	7	L. S. 6	10	7	Domestic...	1918	....	....
808	Rosebank Coal Co.....	Alix.....	19	L. S. 10	33	38	Domestic...	1919	1921	....
810	Russel, Sandquist & Blair.....	Alix.....	19	L. S. 12	38	24	Domestic...	1919	1920	....
827	Rollingson, John.....	Magrath.....	4	L. S. 1	7	7	Domestic...	1919	1920	....
835	Rowland, A. E.....	Delburne.....	19	S. E. 1	10	38	Domestic...	1919	1921	....
869	Reed & Brown.....	Edmonton.....	26	R. L. 26	Edm. Sett.	24	Domestic...	1920	....	....
891	Russell, Robert.....	Alix.....	19	N. W. 1	12	38	Domestic...	1921	....	....
902	Remillard, J. B.....	Castor.....	18	L. S. 15	33	37	Domestic...	1921	....	....
959	Riegall & Hankins.....	Foreman.....	22	L. S. 4	11	40	Domestic...	1921	....	....
966	Rochon, C. C.....	Erskine.....	18	L. S. 10	10	38	Domestic...	1921	....	....
28	Stewart & Campbell.....	Namao.....	27	N. E. 1	8	55	Domestic...	1897	1913	....
47	Strathcona Coal Co.....	Edmonton S.....	26	R. L. 9	Edm. Sett.	6	Domestic...	1905	1911	....
61	Scott, Fred.....	Medicine Hat.....	8	S. E. 1	6	13	Domestic...	1906	1911	....
101	Sturgeon Valley Coal Co. Ltd.	Namao.....	27	N. W. 1	9	55	Domestic...	1905	....	....
110	Sutherland, Murdoch.....	Namao.....	27	N. W. 1	4	55	Domestic...	1906	....	....
135	Smith, T. Edwin.....	Camangay.....	9	L. S. 2	36	14	Domestic...	1906	1911	....
144	Scott & MacLaine.....	Pincher Creek.....	2	W. 1	20	5	Domestic...	1906	1917	....
157	Southern Alberta Coal Co. Ltd.	Taber.....	6	S. E. 1	8	10	Domestic...	1907	1914	....
163	Shirts, James E.....	Taber.....	6	S. E. 1	30	10	Domestic...	1907	1911	....
183	Consolidated with No. 244.....	Canrose.....	23	S. E. 1	28	9	Domestic...	1908	1911	....
195	Standard Lethbridge Coll. Ltd.	Lethbridge.....	3	S. E. 1	28	9	Domestic...	1909	1911	....
196	Speers, H.....	Namao.....	27	N. E. 1	8	55	Domestic...	1909	1914	....

## LIST OF MINES.—(Continued.)

Mine No.	Operator	Address	District No.	Location			W. of M.	Character of Coal	Opening	Date of	
				S.	T.	R.				Abandonment	Re-opening
202	Superior Coal Co. Ltd., The	Elcan.	6	N. W. 1/4	18	10	16	Domestic...	1909	1913	.....
238	Simpson, M.	Bow Island	7	L. S. 10	35	11	11	Domestic...	1910	1913	.....
239	Savage, George W.	Winnifred	7	S. E. 1/4	18	12	10	Domestic...	1910	1917	.....
241	Spicer Coal Co. Ltd. The	Dinant	23	S. E. 1/4	18	48	19	Domestic...	1910	.....	.....
244	Stoney Creek Coll. Ltd.	Camrose	23	L. S. 1/4	33	46	20	Domestic...	1910	.....	.....
255	Straub, F. A.	Alix	19	S. W. 1/4	17	38	23	Domestic...	1910	1916	.....
258	Sinclair, A. C.	Rose Lynn	17	S. W. 1/4	21	28	14	Domestic...	1910	1911	.....
263	Security Coal Mines Ltd.	Wabamun	29	N. E. 1/4	14	53	4	Domestic...	1911	1913	.....
264	Stavely Coal Mining Co.	Long Coulee	9	N. E. 1/4	29	14	21	Domestic...	1911	1916	.....
265	Simanton, W. H.	Winnifred	7	L. S. 1/4	22	12	10	Domestic...	1911	1911	.....
268	Strader & Green	Halkirk	18	L. S. 10	18	39	15	Domestic...	1911	1916	.....
276	Slockett, George	Diamond City	3	L. S. 13	9	10	21	Domestic...	1911	1918	.....
286	Square Deal Mercantile Co.	Big Valley	14	S. E. 1/4	22	35	20	Domestic...	1911	1913	.....
307	Sanderson, W. J.	Long Coulee	9	S. W. 1/4	26	15	22	Domestic...	1911	1913	.....
311	Seale, James	Kimball	5	N. W. 1/4	8	1	25	Domestic...	1911	1913	.....
315	Salisbury, R. A.	Trochu	19	S. E. 1/4	14	33	23	Domestic...	1911	.....	.....
341	Sommodossi, M.	Prosby	7	L. S. 9	5	8	8	Domestic...	1912	.....	.....
355	Stanton, George F.	Munson	13	L. S. 29	29	20	4	Domestic...	1912	1914	.....
370	Stegstra, Thos.	Conrey	5	L. S. 16	30	2	6	Domestic...	1912	1921	.....
388	Schmidt, Stephen	Prosby	7	L. S. 16	30	7	8	Domestic...	1912	1918	.....
389	Saunders Creek Coll. Ltd.	Saunders	15	N. E. 1/4	24	40	13	Bituminous	1913	.....	.....
422	Smith, Frank	Namoo	27	L. S. 1	17	55	24	Domestic...	1913	.....	.....
448	Sterling Coal Co. Ltd.	Drumheller	13	L. S. 5	9	29	29	Domestic...	1914	.....	.....
449	Santoni, Joe	Bow Island	7	L. S. 7	36	11	11	Domestic...	1914	.....	.....
461	Stewart, C.	Forestburg	22	L. S. 15	36	40	16	Domestic...	1914	.....	.....
494	Smith, T. Edwin	Yetwood	9	L. S. 9	28	15	21	Domestic...	1914	1917	.....
498	Smithson, Irving	Halkirk	18	L. S. 5	20	37	15	Domestic...	1915	1916	.....
610	Stulberg, Gus	Halkirk	18	N. E. 1/4	6	37	15	Domestic...	1915	1921	.....
625	Strilezyk, Louis	Round Hill	23	L. S. 8	10	48	18	Domestic...	1915	1918	.....
636	Siksirum, O. R.	Meeting Creek	22	L. S. 14	14	43	20	Domestic...	1915	1917	.....
639	Stewart, Robert	Delta	17	S. W. 1/4	6	30	17	Domestic...	1916	1916	.....
663	Spencer, Fred	Big Valley	14	L. S. 12	36	35	20	Domestic...	1916	1918	.....
666	Smith, T. Edwin	Long Coulee	9	L. S. 3	17	15	21	Domestic...	1916	1917	.....
	Simmons, Efner W.	Hastings Coulee	22	N. E. 1/4	2	41	16	Domestic...	1916	1916	.....

LIST OF MINES.—(Continued.)

Mine No.	Operator	Address	District No.	Location			Character of Coal	Date of	
				S.	T.	W. of M.		Open- ing	Aban- don- ment
673	Strader, Lawson	Halkirk	18	N. E. 1/4 18	39	15	Domestic	1916	1921
695	Scranton Coal Co. Ltd.	Drumheller	13	L. S. 5 10	29	20	Domestic	1917	.....
715	Sparrow & Murland	Pincher Creek	2	S. W. 1 16	5	1	Domestic	1917	.....
737	Sunshine Coal Co. Ltd.	Wayne	13	1 19	28	19	Domestic	1918	1919
738	Smith, J. B.	Lethbridge	3	L. S. 7 11	8	22	Domestic	1918	.....
741	Sugars, Jackson & Ring	Edmonton	26	120th Ave. & 130th St.			Domestic	1918	.....
753	Strickland, Thomas	Edmonton	27	L. S. 14 8	55	24	Domestic	1918	1919
756	Saunders-Alberta Coll. Ltd.	Saunders	15	L. S. 16 23	40	13	Bituminous	1918	.....
761	Southern Alberta Coal Co.	Lethbridge	3	L. S. 4 35	8	22	Domestic	1918	.....
762	Stevenson, Archibald & Co.	Retlaw	6	L. S. 14 7	11	16	Domestic	1918	.....
768	Shannon & Hedberg	Carbon	21	L. S. 1 14	29	23	Domestic	1918	.....
769	Sterling Collieries Ltd.	Basing	32	L. S. 2 35	47	20	Bituminous	1918	.....
770	Shamrock Coal Co. Ltd.	Aerial	13	L. S. 10 20	29	19	Domestic	1918	.....
795	Shaw & Son, James E.	Ardley	19	L. S. 2 33	38	23	Domestic	1919	.....
796	Sunbeam Collieries Ltd.	Drumheller	13	L. S. 2 7	1	29	Domestic	1919	.....
800	Steegstra & Rolison	Comrey	5	L. S. 9 4	2	6	Domestic	1919	.....
821	Southern Alberta Coal Co.	Lethbridge	3	L. S. 10 36	8	22	Domestic	1919	.....
829	Stupor, Oakley & Company	Blackstone	32	S. E. 19	47	19	Bituminous	1919	.....
831	Schamehorn, William	Alix	19	L. S. 15 33	38	23	Domestic	1919	.....
832	Solomon Creek Coal Co. Ltd.	Brule	31	31	50	27	Bituminous	1919	.....
838	Shaw, David & Taylor	Suffield	8	L. S. 7 28	12	10	Domestic	1919	.....
845	Scorgie, William	Halcourt	34	S. E. 1 21	70	10	Domestic	1920	.....
847	Scranton Coal Co. Ltd.	Taber	13	19	28	19	Domestic	1920	.....
872	Sand, D. W.	Edberg	22	N. E. 1 2	44	19	Domestic	1920	.....
878	Sharkey, H.	Bittern Lake	23	R. L. 26	46	21	Domestic	1920	.....
890	Smalley, Melvin	Redwater	28	L. S. 7 22	57	21	Domestic	1921	.....
899	Stainthorpe, J.	Taber	6	N. W. 1 12	10	17	Domestic	1921	.....
904	Smith, Krosby & Feduk	Carbon	21	S. E. 1 16	29	23	Domestic	1921	.....
906	Stahl & Wurz	Rockyford	13	L. S. 14 23	27	23	Domestic	1921	.....
912	Stanley, C. H.	Ardley	19	E. 1 29	38	23	Domestic	1921	.....
925	Schock, Jacob J.	Thelma	8	L. S. 16 12	7	3	Domestic	1921	.....
945	Shaw, Daniel	Castor	18	L. S. 8 35	37	14	Domestic	1921	.....

## LIST OF MINES.—(Continued.)

Mine No.	Operator	Address	Dis- trict No.	Location				Character of Coal	Date of		Re- open- ing
				S.	T.	R.	W. of M.		Open- ing	Aban- don- ment	
946	Stinech, Paul.....	Nevis.....	18	L. S. 4. 12	38	21	4	Domestic....	1921	.....	.....
964	Sheppard Brothers.....	Forestburg.....	22	L. S. 9. 32	40	15	4	Domestic....	1921	.....	.....
16	Talbot, Mr.....	Namoo.....	27	S. E. 1. 17	55	24	4	Domestic....	1904	1908	.....
104	Trusts & Guarantee Co. Ltd.....	Leithbridge.....	3	L. S. 3. 10	21	4	4	Domestic....	1905	1919	.....
112	Three Hills Coal & Dev. Co. Ltd.....	Three Hills.....	20	S. W. 1. 35	31	24	4	Domestic....	1906	1913	.....
113	Trentham, Alberta.....	Three Hills.....	20	L. S. 16. 26	31	24	4	Domestic....	1906	.....	.....
150	Consolidated with No. 252.....	Tofield.....	24	.....	.....	.....	.....	Domestic....	1907	.....	.....
160	Thorne, John.....	High River.....	10	.....	9	18	2	Domestic....	1907	1909	.....
225	Thomas, John.....	Diamond City.....	3	L. S. 13. 9	10	21	4	Domestic....	1910	1911	.....
249	Terris, Chapen.....	Heisler.....	22	L. S. 9. 16	42	17	4	Domestic....	1910	1921	.....
251	Tyrluk, John.....	Heisler.....	22	N. E. 1. 28	42	17	4	Domestic....	1910	.....	.....
252	Tofield Coal Co. Ltd.....	Tofield.....	24	N. 1. 26	50	19	4	Domestic....	1910	.....	.....
313	Tonge & Gorton.....	Pincher Creek.....	2	L. S. 1. 16	6	30	4	Domestic....	1911	1911	.....
322	Trochu Coal Co., The.....	Trochu.....	19	S. E. 1. 34	32	23	4	Domestic....	1911	1913	.....
382	Thorpe, George W.....	Windy Ridge.....	7	L. S. 4. 16	7	9	4	Domestic....	1913	1914	.....
415	Tattam, H.....	Parr.....	17	L. S. 4. 5	29	14	4	Domestic....	1913	1917	1918
481	Toth, John.....	Warner.....	5	L. S. 4. 16	4	16	4	Domestic....	1915	1918	.....
491	Treber & Wiles.....	Parr.....	17	L. S. 16. 18	29	14	4	Domestic....	1915	.....	.....
495	Thompson, Ole.....	Lousana.....	19	L. S. 16. 12	36	22	4	Domestic....	1915	.....	.....
616	Tate, John.....	Ferry Point.....	22	L. S. 1. 18	43	17	4	Domestic....	1915	1916	.....
637	Trentham, William T.....	Three Hills.....	20	L. S. 15. 22	31	24	4	Domestic....	1916	.....	.....
652	Taft, John B.....	Grand Prairie.....	34	N. E. 1. 35	70	7	6	Domestic....	1916	1916	.....
745	Thomas, Joseph D.....	Aerial.....	13	N. W. 1. 18	28	19	4	Domestic....	1918	1918	.....
813	Tabor Coal Mining Co.....	Drumheller.....	13	N. W. 1. 11	28	19	4	Domestic....	1919	.....	.....
817	Trentham, H.....	Ghost Pine.....	21	L. S. 2. 6	31	21	4	Domestic....	1919	.....	.....
886	Tancowny, Thomas.....	Calmar.....	26	L. S. 15. 26	50	27	4	Domestic....	1921	.....	.....
907	Thomas, George.....	Sheerness.....	17	L. S. 16. 16	29	30	4	Domestic....	1921	.....	.....
920	Turner & Presco.....	Scollard.....	14	.....	34	35	21	Domestic....	1921	.....	.....
930	Tynsdale & Smith.....	Nevis.....	18	L. S. 15. 33	38	22	4	Domestic....	1921	.....	.....
931	Taylor, Robert.....	Rosedale.....	13	.....	20	27	18	Domestic....	1921	.....	.....
936	Turner & Smith.....	Suffield.....	8	L. S. 1. 29	12	10	4	Domestic....	1921	.....	.....

## LIST OF MINES.—(Continued.)

Mine No.	Operator	Address	Dis-trict No.	Location			Character of Coal	Date of	
				S.	T.	R.		Open-ing	Aban-ment
488	Unsworth, Robert.	Garden Plain.	17	L. S.	14.	6	Domestic.	1915	1915
711	United Coal Co.	Eleon.	6	L. S.	8.	4	Domestic.	1917	1921
788	Urwin, William.	Lethbridge.	3	L. S.	1.	17	Domestic.	1918	1918
651	Voz, Joseph.	Grand Prairie.	34	L. S.	1.	21	Domestic.	1918	1918
830	Van de Ryse & J. Beekart.	Lake Isle.	29	L. S.	14.	7	Domestic.	1919	1921
864	Vimy Coal, Light & Power Co. Ltd.	Big Valley.	14	L. S.	2.	6	Domestic.	1920	1921
942	Van Brocklin & Wonski.	Lethbridge.	3	N. W.	34	53	Domestic.	1921	1921
64	West Canadian Coll. Ltd.	Blairmore.	1	L. S.	2.	20	Domestic.	1921	1921
77	Welsh, William.	Lundbreck.	1	L. S.	2.	4	Bituminous.	1921	1921
87	West Canadian Collieries Ltd.	Bellevue.	2	L. S.	8.	3	Domestic.	1921	1921
102	Wilson, John.	Leduc.	1	L. S.	27	7	Domestic.	1921	1921
116	Watson, George.	Three Hills.	26	L. S.	10.	3	Domestic.	1921	1921
122	Wetaskiwin Coal Co.	Edmonton S.	20	West of Leduc	20	7	Domestic.	1921	1921
142	Watson, George.	Three Hills.	26	L. S.	13.	22	Domestic.	1921	1921
148	Western Coals Ltd.	Edmonton.	26	L. S.	22	31	Domestic.	1921	1921
186	Walwork, James.	Bow Island.	7	R. L.	31, Edm. Sett.	11	Domestic.	1921	1921
193	West Canadian Collieries Ltd.	Blairmore.	1	S. W.	1.	4	Domestic.	1921	1921
198	Watkins, W. E.	Champion.	9	L. S.	2.	5	Bituminous.	1921	1921
243	Washkoski, Michael S.	Castor.	18	L. S.	35	7	Domestic.	1921	1921
291	Wagner, Joseph.	Gadsby.	18	S. E.	13.	4	Domestic.	1921	1921
303	Watson, George.	Three Hills.	20	L. S.	13.	16	Domestic.	1921	1921
308	Wukusich, Louis.	Groton.	5	S. W.	28	39	Domestic.	1921	1921
314	Walsh, W. R.	Ardeley.	19	L. S.	11.	22	Domestic.	1921	1921
321	Warneboldt, J.	Sheerness.	17	L. S.	7.	10	Domestic.	1921	1921
361	Woolings, Joseph.	Priddis.	10	S. E.	29	38	Domestic.	1921	1921
396	West Canadian Collieries Ltd.	Blairmore.	1	N. W.	7	22	Domestic.	1921	1921
409	Welsh, Benjamin.	Magrath.	4	L. S.	10.	2	Bituminous.	1921	1921
430	Weaver, Hugh.	Edberg.	22	L. S.	4.	17	Domestic.	1921	1921



## LIST OF MINES.—(Continued.)

Mine No.	Operator	Address	District No.	Location			Character of Coal	Date of		
				S.	T.	R. M.		Open- ing	Aban- don- ment	Re- open- ing
442	Williscroft, W. & G.	Namao.	27	S. E.	3	55	24	1914	1915	
471	Wooden, Clyde M.	Rumsey.	14	L. S.	15	18	34	21	1915	
490	Wright Bros.	Garden Plain.	17	N. E.	1	33	13	1915	1921	
624	Williams, C.	Priddis.	10		4	32	3	1915	1916	
630	Consolidated with No. 243.	Castor.								
640	Western Commercial Co. Ltd.	Wayne.	13	S. E.	7	28	19	1916		
654	Waldo, Walter H.	Halcourt.	34	L. S.	14	24	70	11	1916	1917
678	Western Gem Coal Co. Ltd.	Drumheller.	13	L. S.	13	10	29	20	1917	
682	Wedman, Gottlieb.	Edmonton S.	26	L. S.	4	51	25	1917	1918	
705	Wright, George.	Garden Plain.	17	L. S.	10	18	33	13	1917	1919
721	Worthington & Cunningham	Edmonton S.	26	L. S.	10	29	51	25	1917	1918
739	Watkins, I. E.	Champion.	9	L. S.	4	9	16	23	1918	
750	Warren, E. H. F.	Commerce.	3	L. S.	13	27	10	21	1918	
782	Wilson, Andrew.	Beynon.	13	L. S.	14	31	27	20	1918	1919
793	Wisla, Albert.	Heisler.	22	S. E.	3	43	17	1918		1921
822	Willis, Walter.	Champion.	9	L. S.	4	24	16	22	1919	1919
834	Wilson, Frank L.	Rosalind.	22	L. S.	14	4	37	17	1919	1921
862	Wright, James.	Garden Plain.	17	S. E.	6	34	13	1920		
179	Yates, R. H. & D.	Milk River.	5	L. S.	13	31	3	15	1908	
220	Yellowhead Coal Co.	Coalspur.	32		6	49	21	5	1910	1915
328	Yard Bros. Coal Co.	Huxley.	19	S. W.	1	13	34	22	1911	1916
337	Yard, George C.	Huxley.	19	S. W.	1	10	34	22	1911	1918
661	Yard Bros. Coal Co.	Huxley.	19	L. S.	4	10	34	22	1916	
704	Young, Albert.	Forestburg.	22	L. S.	12	25	40	16	1917	
383	Consolidated with No. 403.	Munson.	13						1913	
403	Zarth & Embury.	Munson.	13	L. S.	7	22	29	20	1913	1916

LIST OF NAMES OF FIRST CLASS CERTIFICATES ISSUED BY THE GOVERNMENT OF THE PROVINCE OF ALBERTA TO DECEMBER 31, 1921

Name	Address	Cert. No.	Date of Issue
Addie, W.	Lundbreck	19	25- 8-02
Aspinall, Francis	Midlandvale	22	1- 3-09
Ashburner, Edward	Lethbridge	40	9-12-10
Alderson, Fred Dunn	Hosmer, B. C. (Deceased)	52	27- 9-11
Allen, Peter	Wayne	72	5-11-12
Bradshaw, G. B.	Nanaimo, B.C.	61	16- 5-05
Broome, G. H.	New Zealand	46	28-11-04
Bastian, J.	Taber (Deceased)	43	19- 7-04
Brown, J.	Banff	18	24- 8-03
Baxter, Andrew W.	Big Valley	47	22-12-10
Barnes, Arthur W.	Montana	74	7-11-12
Black, Ernest D.	Coalhurst	84	29- 7-13
Brydon, Andrew D.	Canmore	4	18- 9-14
Brownrigg, John H.	Bankhead (Deceased)	21	17- 7-17
Blake, Henry	Bellevue	25	27- 7-17
Brown, Hugh R.	Commerce	26	28- 6-18
Bilson, George H.	Beverly	27	28- 6-18
Brown, R. J.	Coal Creek, B.C.	30	3- 7-18
Brown, Thomas	Edmonton	42	5- 9-19
Colville, A.	(Deceased)	52	19- 1-05
Collins, W. F.	Blairmore	24	31-10-03
Coulthard, R. W.	Blairmore	8	19- 3-05
Church, J. A. H.	Edmonton	11	23- 1-08
Cunningham, G. F.	Edmonton (Deceased)	7	10- 1-08
Crowder, James	Blairmore	38	24-12-09
Christianson, Peter	Edmonton (Deceased)	48	21-12-10
Clyne, James	Edmonton	69	18- 3-12
Crowder, Harry	Drumheller	5	18- 9-14
Callander, Ira C.	Virginia (Deceased)	13	12- 8-16
Cranston, Michael	Dinant	35	2- 7-19
Drinnan, Robert G.	Edmonton	29	30- 1-04
Dickson, G. H.	Ontario	3	31- 5-06
Dunn, A. C.	Edmonton	18	13- 1-09
Darbyshire, J.	Drumheller	35	3-12-09
Davidson, W. A.	Rosedale	25	27-11-09
Davis, David	Coleman	62	28-11-11
Duggan, William H.	Edmonton	85	29- 7-13
De Hart, Joseph B.	Naemine	86	29- 7-13
Dennis, Fred W.	Brooks	12	28-10-15
Davidson, David	Coleman	15	12- 8-16
Donaldson, Chris S.	Lethbridge	20	17- 7-17
Davies, Thomas O.	Brule	22	17- 7-17
Emmerson, J.	Frank	50	13- 4-05
Emmerson, C.	Vernon, B.C.	49	9- 1-05
Elliott, D.	Blairmore	20	13-10-03
Ellis, W.	Nanton	15	8- 1-09
Evans, D.	Michel, B.C.	1	15-10-98
Emerson, J.	Canmore (Duplicate)	41	25- 8-19
Flint, W. G.	Edmonton	56	13- 4-05
Finlayson, J.	Edmonton	30	10- 2-04
Fraser, Norman	Edmonton	1	21-12-05
Fraser, G. L.	Coleman	1	31- 5-06
Ferguson, C. J.	Mountain Park	23	17- 7-17
Foster, William	Edmonton	40	12- 8-19
France, Thomas	Nordeg	44	8-10-19
Green, R.	Blairmore	58	26- 4-05
Graham, C.	Cumberland, B.C.	7	27- 2-06
Givin, Homer H.	Virginia, U.S.A.	57	23-11-11
Gray, David	Wayne	65	4-12-11
Guernsey, Forbes W.	Utah, U.S.A.	80	18-12-12
Henrietta, Chas. M.	Byseville, Ohio	26	24-11-03
Heathcote, Elijah	Coal Creek (Deceased)	23	31-10-03
Hargreaves, James	Victoria, B.C.	9	25- 6-01
Hamilton, W. L.	Winnipeg, Man.	4	2-12-98

LIST OF NAMES OF HOLDERS OF FIRST CLASS CERTIFICATES.—*Continued.*

Name	Address	Cert. No.	Date of Issue
Hardie, W. D. L.	Lethbridge	2	15-10-98
Huntrods, E. S. F.	Taber	3	29-12-98
Hoklen, James	Drumheller	14	7- 1-09
Hamilton, Robert	Three Hills	4	3- 1-07
Horne, Thomas	West Saunders	6	26-12-07
Harrison, Stephen	Lethbridge (Deceased)	16	11- 1-09
Hart, John	Edmonton	23	23- 3-09
Horne, Robert	Blairmore	12	7- 1-09
Howells, Nathaniel	Lethbridge	64	4-12-11
Hunter, A. B.	Wabamun	14	12- 8-16
Higgins, Alexander	Calgary	19	7- 7-17
Heeley, William G.	Brule	36	3- 7-19
Hetherington, W. B.	Edmonton	38	9- 7-19
Hastings, A. P.	Bankhead	47	26- 7-20
Howden, Archibald B.	Michel, B.C.	50	1- 8-21
Jones, Samuel A.	Nanaimo, B.C.	57	26- 4-05
John, John	Nanaimo, B.C.	44	29- 4-04
Jones, David	Edmonton	67	27-11-11
Johnson, Moses	Commerce	79	14-11-12
Jordan, William	Drumheller	11	9- 9-15
Keith, Thomas	Nanaimo, B.C. (Deceased)	20	29- 1-09
Kerr, Alex	Tonkin, B.C.	27	18-12-03
Knox, Thomas K.	Coal Creek, B.C.	28	30-11-09
Kellock, George	Coleman	59	23-11-11
Kinsman, Alex	Hosmer, B.C. (Deceased)	70	11- 5-12
Little, John	Coalfields	5	2-12-98
Livingstone, Robert	Lethbridge	16	
Lewellyn, D. R.	Michel, B.C.	42	2- 7-04
Little, William F.	Canmore	4	29-12-05
Lee, Robert J.	Estevan	56	23-11-11
Leblanc, Emile	Taber	6	18- 9-14
Morris, James J.	Canmore (Deceased)	3	3-11-98
Morris, Cyrus	Frank	12	13- 2-02
Manley, Henry L.	Fernie, B.C.	41	3- 6-04
Morton, T. R.	Michel, B.C. (Deceased)	63	27- 7-05
Mills, Thomas	Nanaimo, B.C.	35	2- 5-04
Marsh, John	Lethbridge	6	1- 2-06
Moore, Samuel M.	Bankhead	26	27-11-09
Maxwell, William	Pincher Creek	27	29-11-09
Miller, Andrew A.	Taylorston, Sask.	54	23-11-11
Musgrove, William	Canmore	76	11-11-12
Marshall, John W.	Evansburgh	78	13-11-12
Mather, Thomas	Big Valley	81	20- 7-13
Milne, Morgan C.	Virginia, U.S.A.	83	14- 7-13
McEvoy, James	Toronto	17	1- 8-03
McVicar, Samuel	Three Hills	59	26- 4-05
McLean, Donald	Ladysmith, B.C.	62	22- 5-05
McMillan, J. H.	Ohio	17	12- 1-09
McLenhan, J. A.	Dinant	39	13- 1-10
McDonald, John B.	Coalspur	29	30-11-09
Macaulay, D. A.	Drumheller	42	9-12-10
McCulloch, James	Drumheller	41	17-12-10
McDonald, Duncan	Calgary	60	23-11-11
McKelvie, James	Drumheller	7	26-10-14
Macaulay, Angus G.	Cadomin	9	16- 8-15
McDonald, Hector S.	Bellevue	17	7- 7-17
McLeod, John A.	Evansburgh	18	7- 7-17
McDonald, Noble M.	Bellevue	33	9- 7-18
McIntyre, John J.	Rosedale	39	25- 7-19
McGuckie, Thomas M.	Wayne	43	1-10-19
O'Donnell, Thomas	Rosedale	61	28-11-11
Pearson, Robinson	Fernie	11	19-11-01
Parker, John L.	Lundbreck	25	13-11-03
Pearson, R. N.	Frank	38	10- 5-04
Powell, John W.	Virginia	60	10- 5-05

LIST OF NAMES OF HOLDERS OF FIRST CLASS CERTIFICATES—*Continued*

Name	Address	Cert. No.	Date of Issue
Pitcher, Norman C.	Edmonton	75	11-11-12
Pickles, William	Foothills	77	11-11-12
Pavier, Evan L.	Drumheller	24	24- 7-17
Puckett, Owen L.	Drumheller	29	3- 7-18
Quigley, James S.	Hillcrest (Deceased)	21	1- 2-09
Quigley, Daniel H.	Coalhurst	28	28- 6-18
Reynolds, E. E.	Lethbridge (Deceased)	33	5- 4-04
Richards, James A.	Edmonton	39	17- 5-04
Russell, Thomas	Michel, B.C. (Deceased)	45	28-10-04
Raisbeck, Luke	Grassy Lake	47	28-11-04
Reed, Thomas	Nanaimo, B.C.	5	
Robertson, John	Calgary	2	22-12-05
Robertson, John	Lundbreck (Deceased)	9	18- 1-08
Richards, C. C.	Calgary	36	13-12-09
Russell, John	Clover Bar	44	22-12-10
Reid, John C.	Oklahoma	53	4-12-11
Roberts, Edward I.	Coalspur	55	18-11-11
Reid, Adam H.	Oklahoma	3	18- 9-14
Russell, James	Lethbridge	8	8-12-14
Robert, Louis P.	Bellevue	10	16- 8-15
Ramsay, P. M.	Canmore	34	12-11-18
Smith, Frank B.	Edmonton (Deceased)	7	4- 6-01
Stockett, Thomas R.	Vancouver	10	19-11-01
Simister, Chas.	Lundbreck	21	13-10-03
Strachan, Robert	Fernie, B. C.	31	10- 2-04
Shepherd, F. H.	Victoria, B.C.	34	2- 5-04
Symons, C. C.	Lethbridge	37	2- 5-04
Stockett, Lewis	Calgary	51	19- 1-05
Sharp, Alex.	Rossland B.C. (Deceased)	53	22- 2-05
Stirling, John T.	Edmonton	8	10- 1-08
Scott, Alex.	Castor	5	26-12-07
Sparrow, Edwin	Tawatinaw	13	7- 1-09
Scott, Andrew N.	Mountain Park	19	25- 1-09
Shone, Samuel	Coleman (Deceased)	33	2-12-09
Stevens, Leonard C.	Edmonton	31	2-12-09
Saville, Enoch O.	Taber	45	22-12-10
Shaw, William	Edmonton	46	22-12-10
Stewart, Robert T.	Fernie, B.C.	50	12- 1-11
Shanks, John	Nordegg	51	17- 1-11
Stevenson, John	Glasgow	68	6-12-11
Stevenson, William	Hillcrest	87	29- 7-13
Shanks, David	Calgary	16	4-11-16
Smith, Thomas E.	Coalhurst	31	3- 7-18
Stevenson, John	Hillcrest	46	26- 7-20
Stewart, James M. Jr.	Nordegg	48	26- 7-20
Thorne, Benjamin L.	Calgary	32	2-12-09
Thain, Harry S.	Lethbridge	34	2-12-09
Thomas, John I.	Edmonton	49	16- 1-11
Thomas, Willis P.	Diamond City	58	23-11-11
Thomas, Joseph D.	Aerial	66	4-12-11
Turner, John H.	Coalhurst	49	1-8 -21
Whiteside, O. E. S.	Coleman	6	15-12-98
White, E. Proctor	Virginia, U.S.A.	8	17- 6-01
Wyllie, John B.	Frank (Deceased)	13	25-11-02
Waite, Archibald	Taber	15	9- 4-03
Wilson, David G.	Bankhead	22	31-10-03
Wilson, Arthur R.	Nanaimo, B.C.	28	12- 1-04
Wall, William H.	Vancouver, B.C.	32	10- 2-04
Williams, W. P.	Bellevue (Deceased)	36	2- 5-04
Wright, H. B.	Tennessee	40	25- 5-04
Wilkinson, George	Victoria, B.C.	54	27- 3-05
Weatherby, C.	Ardley	2	31- 5-06
Williams, T. H.	Taber	10	18- 1-08
Watters, John	Sointula, B.C.	30	30-11-09
Wark, S. D.	Sointula, B.C.	37	15-12-09

LIST OF NAMES OF HOLDERS OF FIRST CLASS CERTIFICATES—*Continued*

Name	Address	Cert. No.	Date of Issue
Wiley, Edward.....	Fernie, B.C.....	71	1-11-12
Watson, William.....	Drumheller.....	73	7-11-12
Welch, James D.....	Nordegg..... (Deceased)	1	18- 9-14
Williams, Thomas B.....	Edmonton.....	2	18- 9-14
Watters, Alexander G.....	Bankhead.....	32	3- 7-18
Watson, Ronald H.....	Mountain Park.....	37	3- 7-19
Wilkinson, George.....	Victoria, B.C.....	45	21-11-19

LIST OF NAMES OF HOLDERS OF SECOND CLASS CERTIFICATES ISSUED  
BY THE GOVERNMENT OF THE PROVINCE OF ALBERTA  
TO DECEMBER 31, 1921.

Name	Address	Cert. No.	Date of Issue
Anderson, J.....	Bellevue.....	2	30- 5-06
Aspinall, F.....	Midlandvale.....	27	27- 5-08
Allen, Peter.....	Wayne.....	72	20-12-11
Allen, William C.....	Wayne.....	22	7- 9-15
Atherton, Edward.....	Mountain Park.....	49	17- 7-17
Ashurst, William.....	Coleman.....	51	17- 7-17
Ashman, Alfred W.....	Calgary.....	88	3- 7-19
Adlam, William.....	Hillcrest.....	107	15- 7-19
Armstrong, A.....	Nordegg.....	110	16- 7-19
Adams, Thomas H.....	Coalhurst.....	127	26- 7-20
Anderson, Peter B.....	Mountain Park.....	139	26- 7-20
Bastian, T. W.....	Bankhead.....	27	8- 4-05
Bastian, J.....	Taber..... (Deceased)	21	7- 5-04
Bowie, J.....	Frank.....	4	3- 1-07
Bamling, J.....	Diamond City.....	44	2-12-09
Brockhouse, I. B.....	Milk River.....	74	20-12-11
Bridge, Edward.....	Cumberland, B.C.....	99	5-11-12
Brown, Alan J.....	Pocahontas.....	105	7-11-12
Barclay, Andrew.....	Frank.....	111	18-11-12
Brown, William.....	Commerce.....	126	31- 7-13
Blake, Henry.....	Bellevue.....	128	31- 7-13
Brisco, Daniel.....	Okotoks.....	19	21- 8-15
Bilson, George H.....	Beverly.....	2	27- 8-14
Brownrigg, John H.....	Bankhead..... (Deceased)	21	30- 8-15
Berford, Edward.....	Blairmore.....	27	12- 8-16
Barclay, William.....	Rowley.....	54	10- 8-17
Bovio, M.....	Bellevue.....	61	5- 7-18
Blair, John.....	Edmonton.....	72	11- 7-18
Brearley, Garnett.....	Coalhurst.....	78	23- 7-18
Brown, J. F.....	Edmonton.....	84	28- 6-19
Ball, Benjamin.....	Michel, B.C.....	101	8- 7-19
Badham, Thomas.....	Coleman.....	104	15- 7-19
Bainbridge, Joseph.....	Medicine Hat.....	112	5- 8-19
Brooks, Burton T.....	Drumheller.....	129	26- 7-20
Brady, John.....	Edmonton.....	141	26- 7-20
Brown, Thomas.....	Edmonton.....	55	17-11-17
Briggs, William A.....	Drumheller.....	154	10-10-21
Chesnut, C.....	Ardley.....	30	18- 4-05
Corkill, T.....	Michel.....	13	
Crowder, James.....	Blairmore.....	10	26-12-07
Clay, E.....	Oxville.....	28	7- 1-09
Clark, J. C.....	Blairmore.....	49	22-12-09
Clyne, J.....	Virginia, U.S.A.....	53	22- 4-10
Clemenson, John.....	Bankhead.....	58	17-12-10
Cooke, Joseph.....	Burmis.....	66	20- 2-11
Crowder, Harry.....	Drumheller.....	69	18-12-11

LIST OF NAMES OF HOLDERS OF SECOND CLASS CERTIFICATES.—  
(Continued.)

Name	Address	Cert. No.	Date of Issue
Coupland, George.....	Bellevue.....	77	21-12-11
Cranston, Michael.....	Dinant.....	119	29- 7-13
Crawford, Alexander.....	Nacmine.....	125	31- 7-13
Campbell, K. S.....	Beverly.....	132	31- 7-13
Coupland, Edward.....	Cadomin.....	8	18- 9-14
Coutes, George.....	Lethbridge.....	20	26- 8-15
Conlin, John.....	Drumheller.....	33	22- 8-16
Cox, John Charles.....	Coleman.....	42	7- 7-17
Clark, Robert.....	Hardieville.....	43	7- 7-17
Crabb, Samuel A. B.....	Lethbridge.....	52	17- 7-17
Crawford, John.....	Lovettville.....	64	6- 7-18
Crawford, William S.....	Lethbridge.....	66	9- 7-18
Carson, James.....	Spring Point.....	82	17-10-18
Carwright, Charles E.....	Lundbreck.....	85	2- 7-19
Clarkstone, W. W.....	Fernie, B.C.....	93	3- 7-19
Caufield, J.....	Coal Creek, B.C.....	105	15- 7-19
Carr, Thomas.....	Pocahontas.....	117	1-10-19
Cole, J. J.....	Bankhead.....	126	26- 7-20
Davies, D.....	Coleman.....	31	18- 4-05
Duggan, R. G.....	Nanaimo, B.C.....	19	26- 4-04
Davis, A.....	Lethbridge.....	4	19-11-98
Dixon, S.....	Commerce.....	24	8- 2-08
Davies, S.....	Coal Creek, B.C.....	18	10- 1-08
Davies, John.....	Coleman.....	11	26-12-07
Dunn, J. P.....	Edmonton South.....	9	26-12-07
Davis, John.....	Lethbridge.....	31	11- 1-09
Davies, T.....	Frank.....	54	22- 4-10
Davidson, David.....	Coleman.....	94	1-11-12
Davies, Thomas O.....	Hillcrest.....	104	7-11-12
Dalziel, Robert.....	Clover Bar.....	122	31- 7-13
Digman, John H.....	Coalhurst.....	134	31- 7-13
Dennis, F. W.....	England.....	3	27- 8-14
Dewar, Alexander.....	Coleman.....	16	16- 8-15
Donaldson, C. S.....	Lethbridge.....	35	25- 8-16
Duncan, N. S.....	Wayne.....	100	8- 7-19
D'Altroy, A. C.....	Milk River.....	145	1- 8-21
Emmerson, C.....	Bellevue.....	3	15-11-98
Eccleston, W.....	Michel, B.C.....	16	10- 1-08
Evans, T. R.....	Coleman.....	137	31- 7-13
Embree, Merton B.....	Evansburg.....	98	3- 7-19
Fraser, G. L.....	Coleman.....	25	23-12-04
Flint, W. G.....	Edmonton.....	16	
Francis, J.....	Taber.....	29	8- 1-09
Fox, A.....	Taber.....	42	29-11-09
Foster, W. R.....	Michel, B.C.....	51	24- 1-10
Fulton, James K.....	Coleman.....	133	31- 7-13
Foster, William.....	Drumheller.....	14	16- 8-15
Finlay, Samuel.....	Clover Bar.....	25	12- 8-16
Ferguson, C. J.....	Beverly.....	38	30- 8-16
Fortner, Edward.....	Saunders.....	57	3- 7-18
France, Thomas.....	Nordegg.....	67	9- 7-18
Fyvie, J.....	Drumheller.....	109	16- 7-19
Fraser, James.....	Rosedale.....	133	26- 7-20
Fyfe, Walter H.....	Wayne.....	142	26- 7-20
Ford, Allen.....	Michel, B.C.....	146	1- 8-21
Green, R.....	Blairmore.....	17	26- 4-04
Giffen, H. R.....	Lethbridge.....	14	
Gilliland, William.....	Cardiff.....	61	17-12-10
Garbett, Richard.....	Corbin, B.C.....	100	5-11-12
Garrett, John.....	Blairmore.....	123	31- 7-13
Givens, J.....	Pocahontas.....	99	8- 7-19
Gate, Harry.....	Coleman.....	124	26- 7-20
Hall, Oliver.....	Bellevue.....	26	23-12-04
Harvie, Robert.....	Lethbridge.....	1	30- 5-06

LIST OF NAMES OF HOLDERS OF SECOND CLASS CERTIFICATES.  
—(Continued.)

Name	Address	Cert. No.	Date of Issue
Hutchinson, A. M.	Coleman	6	3- 1-07
Home, Robert	Blairmore	12	26-12-07
Horswell, John	Cardiff	34	1- 2-09
Howells, Nathaniel	Lethbridge	55	25- 5-10
Hallworth, Albert	Bellevue	65	30- 1-11
Hamilton, Allan	Blairmore	78	21-12-11
Heeley, William G.	Brule	80	22-12-11
Hill, James	Canmore	84	13- 1-12
Hutton, John	Bellevue	93	1-11-12
Hunter, Henry	Edmonton	102	7-11-12
Hughes, Daniel J.	Diamond City	110	13-11-12
Hartley, William	Bankhead	114	25-11-12
Hunter, Charles	Beverly	4	18- 9-14
Hunter, Alexander B.	Wabamun	7	18- 9-14
Harnies, Henry C.	Coleman	9	18- 9-14
Heathcote, Joseph	Edmonton	10	18- 9-14
Hughes, William R.	Barnwell	13	6- 8-15
Halliday, George W.	Delia	31	22- 8-16
Hutton, David T.	Bellevue	44	10- 7-17
Hastings, Andrew P.	Bankhead	62	5- 7-18
Hulme, Charles	Aerial	63	6- 7-18
Hargreaves, G.	Lethbridge	70	9- 7-18
Hutchison, P.	Bankhead	102	10- 7-19
Hedges, Richard	Beverly	111	18- 7-19
Higney, John	Coalhurst	130	26- 7-20
Heap, Robert	Coalhurst	137	26- 7-20
Holmes, Robert	Coleman	144	6- 1-21
Hughes, John C.	Madrid	156	15-12-21
Ironmonger, John	Hillcrest	60	5- 7-18
Jones, Samuel A.	Lethbridge	18	26- 4-04
Johnson, Moses	Commerce	46	3-12-09
Jones, David	Edmonton	48	15-12-09
Jones, Peter	Commerce	92	1-11-12
Jordan, William	Taber	112	20-11-12
James, William	Pocahontas	5	19- 9-14
Jackson, James	Bellevue	56	3- 7-18
Joberg, A. F.	Delia	68	9- 7-18
Jones, C. E. R.	Cardiff	83	12-11-18
Jones, D.	Coalhurst	116	5- 9-19
Kerr, John	Lethbridge	33	6- 7-05
Kellock, George	Coleman	39	27-11-09
Kellock, James	Coleman	82	30-12-11
Keith, John D.	Coalhurst	107	11-11-12
Kaye, Herschel	Pocahontas	129	31- 7-13
Kerr, W. R.	Nordeg	115	2- 9-19
Lowrie, Ralph	Frank	34	6- 7-05
Livingstone, Robert	Lethbridge	6	5- 6-99
Livingstone, John C.	Lethbridge	5	19-11-98
Lee, Robert J.	Estevan	56	17-12-10
Luck, George	Bellevue	70	19-12-11
Letcher, William M.	Bankhead	96	1-11-12
Leblanc, Emile	Taber	127	31- 7-13
Littler, Robert	Bankhead	6	18- 9-14
Lundy, James	Drumheller	53	17- 7-17
Larrair, Charles F.	Drumheller	74	12- 7-18
Musgrove, John	Canmore	2	15-11-98
Musgrove, William	Canmore	32	6- 7-05
Miller, John K.	Drumheller	29	8- 4-05
Morris, John	Lundbreck	8	18- 9-14
Morgan, Daniel	Edmonton	17	10- 1-08
Moore, Thomas E.	Eyremore	47	11-12-09
Miard, Harry E.	Coal Creek, B.C.	64	16- 1-11
Munro, William K.	Blairmore	76	21-12-11
Murphy, Peter J.	Drumheller	91	24- 8-12

LIST OF NAMES OF HOLDERS OF SECOND CLASS CERTIFICATES.  
—(Continued.)

Name	Address	Cert. No.	Date of Issue
Mather, Thomas	Big Valley	106	11-11-12
Muir, David	Nanaimo, B.C.	108	11-11-12
Massey, Harry	Corbin, B.C.	116	25-11-12
Morgan, Owen	Blairmore	121	29- 7-13
Mason, Samuel	Blairmore	130	31- 7-13
Mather, John	Beverly	23	13- 9-15
Miller, Walter	Beverly	26	12- 8-16
Melling, Peter	Evansburg	28	12- 8-16
Murray, J.	Coalhurst	90	3- 7-19
Mossey, Thomas	Lethbridge	95	3- 7-19
Makin, J. W.	Hillcrest	103	15- 7-19
Marsh, E.	Taber	113	25- 8-19
Martin, R.	Taber	114	25- 8-19
Miller, John R.	Aerial	131	26- 7-20
Mackie, John	Bankhead	136	26- 7-20
Marsh, John H.	Taber	153	1- 8-21
McVicar, Samuel	Three Hills	23	23-12-04
McKean, John W.	Lethbridge	24	23-12-04
McGregor, Alex	Cardiff	1	20-12-05
McKay, Donald	Bankhead (Deceased)	3	30- 5-06
McLenhan, John A.	Dinant	33	1- 2-09
McFegan, William	Hillcrest	34	22- 8-16
McIntyre, John J.	Lovettville	41	9-12-16
MacDonald, J. H.	Edmonton	48	10- 7-17
McQueen, Andrew	Nordegg	71	9- 7-18
McKinnon, H. G.	Canmore	76	13- 7-18
MacAskill, Donald	Drumheller	77	16- 7-18
McKinnon, John L.	Coleman	80	26- 7-18
McLean, Michael D.	Michel, B.C.	122	26- 7-20
McCullough, Alexander	Coleman	143	10- 8-20
McLeod, Alexander	Drumheller	149	1- 8-21
MacDonald, William	Drumheller	155	10-10-21
Nicol, James	Coalspur	36	10- 2-09
Nanson, Thomas H.	Bellevue	40	25- 9-16
Nicol, George	Porahontas	46	10- 7-17
Nugent, Bernard	Taber	73	11- 7-18
Ostheidt, Gus	Cardiff	1	14-11-98
Oliphant, Joseph H.	Bellevue	59	17-12-10
Oliphant, John T.	Medicine Hat	153	1- 8-21
Phillips, Charles	Frank	20	26- 4-04
Pearson, W. G.	Blairmore	15	26- 4-04
Parsons, T. Lloyd	Edmonton	26	21- 3-08
Pickles, William	Foothills	35	1- 2-09
Prentice, John	Blairmore	45	2-12-09
Park, Stewart, G.	Lethbridge	57	17-12-10
Parker, Levi	Clover Bar	68	28- 4-10
Powell, Albert E.	Edmonton	85	16- 1-12
Parry, Thomas	Coleman	109	12-11-12
Picton, Daniel	Aerial	118	10- 2-13
Penman, John S.	Rosenroll	120	29- 7-13
Pavier, Evan	Big Valley	37	30- 8-16
Puckett, Owen L.	Drumheller	50	17- 7-17
Park, William	Bellevue	65	6- 7-18
Pemberton, George W.	Evansburg	97	3- 7-19
Peacock, Charles	Lethbridge	138	26- 7-20
Quigley, Daniel H.	Lethbridge	73	20-12-11
Queen, Andrew M.	Lethbridge	124	31 -7-13
Rice, Awrey	Coalspur	2	20-12-05
Roberts, D. E.	Coleman	14	10- 1-08
Rankin, George	Michel, B.C.	41	29-11-09
Roberts, E. I.	Coalspur	52	12- 3-10
Ramsey, Peter M.	Canmore	86	24- 2-12
Roberts, E.	Cardiff	87	2- 3-12
Richards, Samuel	Bellevue	98	5-11-12



LIST OF NAMES OF HOLDERS OF SECOND CLASS CERTIFICATES.  
—(Continued.)

Name	Address	Cert. No.	Date of Issue
Roberts, John	Cadomin	12	26-10-14
Russell, John	Ardley	29	12- 8-16
Robinson, William	Mountain Park	30	22- 8-16
Rawlinson, R.	Edmonton South	32	22- 8-16
Richards, Evan	Evansburg	59	3- 7-18
Roberts, G.	Taber	79	23- 7-18
Roberts, D. O.	Wayne	86	2- 7-19
Reed, Edward	Drumheller	135	26- 7-20
Radford, James	Bellevue	140	26- 7-20
Redpath, James	Wayne	147	1- 8-21
Scott, Hugh	Lethbridge (Deceased)	7	9- 3-00
Steele, Thomas	Coleman	12	26- 4-04
Sequin, Joseph A.	Estevan, Sask.	22	16- 4-04
Sparrow, Edwin	Tawatinaw	7	3- 1-07
Shone, Samuel	Coleman (Deceased)	23	23- 1-08
Shaw, William	Edmonton	21	18- 1-08
Scott, Andrew N.	Mountain Park	19	10- 1-08
Stewart, J. M.	Nordegg	50	24-12-09
Sihvon, William	Bellevue	40	29-11-09
Sloan, Thomas W.	Burmis	67	3- 3-11
Shaw, Thomas J.	Brule	75	21-12-11
Strickland, Thomas	Edmonton	101	5-11-12
Schmidt, Otto P.	Camrose	115	25-11-12
Scott, Alexander	Pocahontas	103	7-11-12
Shanks, David	Calgary	117	7-12-12
Stephenson, Joseph	Bellevue	135	21- 7-13
Stephenson, Thomas	Bellevue	136	31- 7-13
Smith, Thomas E.	Montana, U.S.A.	39	14- 9-16
Simpson, William G.	Drumheller	45	10- 7-17
Stevenson, John	Lethbridge	47	10- 7-17
Sinclair, James	Drumheller	81	7- 8-18
Sandino, J. A.	Hillcrest	91	3- 7-19
Stratton, J. M.	Taber	94	3- 7-19
Saunt, James	Edmonton	123	26- 7-20
Steele, Francis M.	Castor	125	26- 7-20
Scott, Frederick G.	Nordegg	128	26- 7-20
Scarpino, F.	Fernie, B.C.	121	26- 7-20
Thomas, David	Bankhead (Deceased)	28	8- 4-05
Teppo, Herman	Bellevue	15	10- 1-08
Thomas, John	Diamond City	30	8- 1-09
Thain, Harry S.	Lethbridge	32	12- 1-09
Thomas, Joseph D.	Aerial	37	25-11-09
Taylor, Tom	Hillcrest	62	22-12-11
Taylor, George W.	Lethbridge (Deceased)	83	30-12-11
Thomas, John	Frank	89	25- 3-12
Tonge, Thomas	Bickerlike	90	1- 6-12
Thompson, Joseph	Coleman	97	1-11-12
Thomas, Isaac	Coleman	131	31- 7-13
Tennant, Robert	Lethbridge	58	3- 7-18
Tully, Thomas	Fernie, B.C.	75	12- 7-18
Turner, J. H.	Coalhurst	89	2- 7-19
Thompson, T.	Coleman	87	2- 7-19
Thomason, C.	Coleman	119	12-11-19
Taylor, C. M.	Calgary	118	1-10-19
Turner, Leonard	Nordegg	132	26- 7-20
Unsworth, Robert	Garden Plain	36	30- 8-16
Utey, F. W.	Bellevue	108	17- 7-19
Williams, Thomas H.	Taber	8	20- 7-00
Waite, Archibald	Taber	10	26- 4-04
Wetherbee, Cory	Ardley	11	6-11-02
Wilson, William G.	Coleman	3	20-12-05
Whitelaw, Thomas	Lethbridge	25	24- 2-08
Watters, John	Bankhead	22	18- 1-08
Watkins, W. E.	Lille	20	18- 1-08

LIST OF NAMES OF HOLDERS OF SECOND CLASS CERTIFICATES.  
—(Continued.)

Name	Address	Cert. No.	Date of Issue
Watson, William	Coleman	13	26-12-07
Wright, J. S.	Canmore	38	27-11-09
Winter, Archibald	Strathcona	63	16- 1-11
Watters, Alexander G.	Calgary	95	1-11-12
Welch, James D.	Taber (Deceased)	113	20-11-12
Williams, John J.	Lovett	11	18- 9-14
Worthington, Thomas	Lethbridge	69	9- 7-18
Williams, W. E.	Beverly	96	3- 7-19
Watkins, J. M.	Taber	106	15- 7-19
Williams, Albert	Beverly	134	26- 7-20
Willetts, Frederick	Hillcrest	148	1- 8-21
Wilson, Robinson	Drumheller	151	1- 8-21
Yard, George C.	Nordegg	150	1- 8-21

LIST OF NAMES OF HOLDERS OF THIRD CLASS CERTIFICATES ISSUED  
BY THE GOVERNMENT OF THE PROVINCE OF ALBERTA  
TO DECEMBER 31, 1921.

Name	Address	Cert. No.	Date of Issue
Anderson, J.	Frank	13	
Alderson, R. D.	Coleman	17	3- 1-07
Aspinall, Francis	Midlandvale	32	30- 5-07
Ashurst, W.	Coleman	82	26- 8-09
Adlam, William	Hillcrest	108	2- 6-10
Archer, Roland	Hillcrest	132	22-12-10
Allen, William C.	Coleman	205	10- 8-12
Archibald, David	Bickerdike	222	25-11-12
Allan, Alexander McD.	Hosmer, B.C.	247	31- 7-13
Adams, Thomas H.	Coalhurst	16	10- 3-14
Anderson, Andrew	Bellevue	39	17- 6-14
Atherton, Edward	Redcliff	40	14- 7-14
Appleton, John T.	Mountain Park	76	19- 4-15
Ashton, William	Edmonton	90	27- 8-15
Anderson, Hugh W.	Edmonton	150	7- 7-17
Ashman, Alfred W.	Rosedale	151	7- 7-17
Armstrong, John	Nordegg	171	17- 7-17
Armstrong, Peter M.	Nordegg	224	8- 6-18
Arbuckle, John	Mountain Park	263	26- 6-19
Anderson, Peter B.	Mountain Park	264	26- 6-19
Allen, Edgar	Wayne	436	29- 8-21
Bastian, T. W.	Bankhead	30	5-12-04
Bansemmer, R.	Bankhead	14	3- 1-07
Barber, J.	Frank	7	3- 1-07
Burrows, C.	Frank	40	18- 1-08
Brownrigg, J. H.	Frank (Deceased)	35	26-12-07
Brown, T.	Edmonton	24	14- 5-07
Blake, P.	Lundbreck	23	14- 5-07
Brovey, A. C.	Edmonton	64	1- 2-09
Boulton, W. E.	Drumheller	48	29- 5-08
Barnes, B. J.	Coal Creek, B.C.	92	29-11-09
Besso, A.	Canmore	80	26- 7-09
Brisco, Daniel	Hillcrest	117	9- 6-10
Blake, Henry	Bellevue	133	30-12-10
Bradley, Thomas	Hillcrest	138	16- 1-11
Barber, James S.	Hillcrest	144	3- 7-11
Bovio, Michael	Bellevue	146	3- 7-11
Brown, Alan James	Cardiff	163	17-11-11
Berford, Edward	Elcan	196	16-12-12

## LIST OF NAMES OF HOLDERS OF THIRD CLASS CERTIFICATES.—Continued

Name	Address	Cert. No.	Date of Issue
Blakemore, Roydon E.	Edmonton	227	16-12-12
Bainbridge, James	Namoo	235	31- 7-13
Baird, John	Blairmore	243	31- 7-13
Beal, George F.	Bellevue	7	30-12-13
Brearley, Garnet	Lethbridge	18	16- 3-14
Barclay, William	Drumheller	22	13- 3-14
Brown, John F.	Edmonton	29	21- 4-14
Barclay, William G.	Drumheller	30	23- 4-14
Byers, John W.	Taber	48	25-11-14
Byron, John	Coalhurst	11	10- 3-14
Billington, Edward E.	Coleman	73	25- 2-15
Booth, George	Clover Bar	85	18- 8-15
Boldon, James	Bellevue	86	19- 8-15
Bell, William	Coleman	95	12-10-15
Brown, Robert	Bellevue	112	10- 7-16
Bateman, Fred	Sheerness	123	14- 7-16
Barnes, Edward	Mountain Park	137	25- 9-16
Badham, Thomas	Coleman	153	7- 7-17
Beveridge, Andrew	Commerce	156	7- 7-17
Brown, David M.	Commerce	157	7- 7-17
Brooks, Burton T.	Drumheller	167	17- 7-17
Bartlett, Wallace	Elcan	173	17- 7-17
Bennett, Isaac	Armada	179	17- 7-17
Blair, John	Edmonton	183	25- 7-17
Bobrovski, Martin	Mountain Park	217	5- 6-18
Baird, William	Drumheller	218	5- 6-18
Brooks, Claude E. E.	Drumheller	220	8- 6-18
Blusson, Joseph T. C.	Champion . . . (Deceased)	253	26- 6-19
Briggs, Alfred J.	Drumheller	254	26- 6-19
Brennan, John	Long Coulee	261	26- 6-19
Brown, Frank	Coal Creek, B.C.	262	26- 6-19
Birse, Alexander	Coalhurst	268	26- 6-19
Bateman, James	Lethbridge	279	26- 6-19
Bealle, Fred A.	Brule	285	26- 6-19
Ball, Alfred	Natal, B.C.	292	20-11-19
Briggs, Charles	Canmore	302	26- 7-20
Babino, Arthur	Bankhead	312	26- 7-20
Barclay, R. W.	Drumheller	313	26- 7-20
Beveridge, A.	Coleman	314	26- 7-20
Bainbridge, G. E.	Nordeg	343	26- 7-20
Bambrough, George	Hillcrest	345	26- 7-20
Burcey, A.	Calgary	352	26- 7-20
Bird, Richard	Nordeg	357	26- 7-20
Barringham, F. J.	Rosedale	362	26- 7-20
Baxter, Robert	Locheam	374	17- 6-21
Brown, Thomas W.	Edmonton	377	1- 8-21
Battée, Noyes S.	Drumheller	381	1- 8-21
Blas, Emile	Bellevue	382	1- 8-21
Blake, Sylvanus R.	Wayne	384	1- 8-21
Barnes, Thomas	Blairmore	387	1- 8-21
Boyd, John	Wayne	390	1- 8-21
Barrie, James	Commerce	401	1- 8-21
Briggs, William A.	Drumheller	414	1- 8-21
Bedwell, Alfred E.	Lethbridge	415	1- 8-21
Brooks, John	Bellevue	428	1- 8-21
Brown, George A.	Michel, B.C.	432	29- 8-21
Cawthorne, L.	Frank	46	18- 4-05
Churchill, J.	Frank	45	18- 4-05
Chestnut, C.	Blairmore . . . (Duplicate)	28	6- 7-05
Cowan, W.	Bankhead	4	15-11-98
Cooke, J.	Bankhead	4	30- 5-06
Catchpole, C.	Three Hills	2	30- 5-06
Clark, J. C.	Blairmore	33	18- 7-07
Cole, J. J.	Bankhead	66	1- 2-09
Clyne, J.	Canmore	65	1- 2-09

LIST OF NAMES OF HOLDERS OF THIRD CLASS CERTIFICATES.  
—(Continued.)

Name	Address	Cert. No.	Date of Issue
Chestnut, C.	Blairmore	28	26- 4-04
Campbell, Kenneth S.	Edmonton	102	27- 1-10
Clemenson, John	Bankhead	105	30- 5-10
Carson, James	Frank	120	21- 6-10
Crockett, Levi A.	Hillcrest	131	22-12-10
Coupland, George	Bellevue	148	4- 7-11
Carson, George	Frank	154	8- 7-11
Crawford, George	Frank	160	17-11-11
Coombs, Walter P.	Taber	164	17-11-11
Coupland, Edward	Cadomin	173	17-11-11
Charlton, Samuel	Hillcrest (Deceased)	179	23-11-11
Cox, John	Coleman	193	13- 7-12
Crawford, John	Beaver Mines	197	13- 7-12
Coutts, George	Lethbridge	210	26-10-12
Clark, Robert	Lethbridge	212	31-10-12
Cranston, Michael	Dinant	218	11-11-12
Crawford, William	Lethbridge	8	6- 3-14
Coutts, David	Hardieville	23	30- 3-14
Crabb, Sam A. B.	Lethbridge	38	28- 5-14
Chaplow, Joseph	Lethbridge	49	25-11-14
Clarke, Robert G.	Drumheller	70	16- 2-15
Campbell, John H.	Canmore	71	16- 2-15
Callander, Ira C.	Virginia, U.S.A. (Deceased)	78	19- 8-15
Coxon, Thomas	Edmonton	89	27- 8-15
Convery, Denis	Coleman	107	10- 7-16
Cooper, John A.	Lethbridge	166	10- 7-17
Coutts, Anthony B.	Hardieville	178	17- 7-17
Campbell, Henry	Bellevue	188	13- 8-17
Collins, Sidney G.	Edmonton	219	5- 6-18
Chapman, Christopher	Drumheller	232	12- 6-18
Campbell, George P.	Nordeg	229	8- 6-18
Chambers, Ralph H.	Lovettville	246	25- 6-19
Campbell, Thomas	Lovettville	247	26- 6-19
Conley, Leroy L.	Saunders	260	26- 6-19
Chalmers, James	Edmonton	278	26- 6-19
Carr, Thomas	Nanton	283	26- 6-19
Clark, John	Bankhead	301	26- 7-20
Congalton, Clem S.	Vancouver	315	26- 7-20
Cameron, Donald	Coalspur	331	26- 7-20
Cotterill, John	Rosedale	346	26- 7-20
Crawford, George	Bellevue	365	26- 7-20
Candlish, W. S.	Brule Mines	366	26- 7-20
Causey, Thomas	Taber	403	1- 8-21
Craig, James M. S.	Nordeg	413	1- 8-21
Clelland, William	Lethbridge	421	1- 8-21
Curry, John	Passburg	439	3-11-21
Davies, T.	Frank	49	18- 4-05
Duggan, R. G.	Taber	27	26- 4-04
Downs, T.	Canmore	24	25-11-03
Davies, W. J.	Canmore (Deceased)	16	25-11-03
Dixon, S.	Commerce	18	3- 1-07
Devonshire, G.	Canmore	31	23- 5-07
Duggan, E. J.	Taber	41	18- 1-08
Davies, T. O.	Hillcrest	109	2- 6-10
Davidson, David	Coleman	170	17-11-11
Doodson, Robert	Coal Creek, B.C.	177	17-11-11
Duthie, Alexander F.	Pocahontas	184	28-11-11
Digman, John H.	Royal View	198	13- 7-12
Duncan, Ninian S.	Nacmine	211	31-10-12
Draper, Robert	Cochrane	214	1-11-12
Denis, Frederick W.	Lethbridge	3	28-11-13
D'Altroy, Arthur C.	Milk River	6	1-12-13
Dean, William	Bankhead	20	20- 3-14
Duggan, John	Wayne	97	12-10-15

LIST OF NAMES OF HOLDERS OF THIRD CLASS CERTIFICATES.  
—(Continued.)

Name	Address	Cert. No.	Date of Issue
Douglas, D. B.	Edmonton.	129	26- 7-16
Davis, William	Coalspur.	192	7-11-17
Dunnigan, Edward	Bankhead.	216	1- 6-18
Dawes, Edmund	Drumheller.	222	8- 6-18
Davies, Jehoiadah	Coleman.	265	26- 6-19
Dupen, Thomas	Edmonton.	275	26- 6-19
Dunlop, Hugh	Coleman.	321	26- 7-20
Dunn, W. P.	Evansburg.	347	26- 7-20
Dryburgh, W. W.	Nordegg.	356	26- 7-20
Dieter, Walter J.	Sheerness.	397	1- 8-21
Davey, George	Michel, B.C.	418	1- 8-21
Dunn, Samuel	Taber.	441	15-12-21
Eccleston, W.	Michel, B.C.	20	3- 1-07
Evans, H.	Taber.	94	2-12-09
Evans, D.	Frank.	83	3- 9-09
Evans, Hugh	Lethbridge.	156	12- 7-11
Embree, Merton B.	Evansburg.	239	31- 7-13
Evans, Nathaniel	Passburg.	54	27-11-14
Evans, Llewellyn	Coleman.	152	7- 7-17
Excoffon, Eugene	Bellevue.	155	7- 7-17
Eno, John W.	Drumheller.	223	8- 6-18
Eccleston, Richard	Bellevue.	243	26- 6-19
Evans, Thomas O.	Blairmore.	244	26- 6-19
Evans, Gwilym	Blairmore.	308	26- 7-20
Evans, Charles	Hillcrest.	327	26- 7-20
Eccleston, J. W.	Mountain Park.	330	26- 7-20
Evans, William	Drumheller.	360	26- 7-20
Evans, Thos. L.	Calgary.	367	1-11-20
Evans, James D.	Drumheller.	383	1- 8-21
Fairhurst, H.	Lethbridge.	39	23-12-04
Ferguson, C. J.	Beverly.	4	20-12-05
Fraser, J.	Coleman.	8	3- 1-07
Fox, A.	Taber.	55	8- 1-09
Flowers, C. W.	Canmore.	50	29- 5-08
Fiske, G. E.	Edmonton.	88	27-11-09
Fisher, Samuel	Passburg.	169	17-11-11
Ford, Allen	Burmis.	183	28-11-11
Foster, William	Drumheller.	31	28- 4-14
Ferguson, John	Commerce.	34	23- 5-14
Fyfe, Walter H.	Wayne.	79	19- 8-15
Fishwick, Thomas	Mountain Park.	98	12-10-15
Foster, James	Lethbridge.	174	17- 7-17
Fisher, William J.	Bellevue.	186	13- 7-17
Fisher, Ernest	Bellevue.	256	26- 6-19
Fraser, Alec	Carmanagay.	274	26- 6-19
Fraser, James	Big Valley.	286	25- 8-19
France, Harry	Nordegg.	288	8-10-19
Flynn, Thomas E.	Coleman.	306	26- 7-20
Ford, George C.	Drumheller.	310	26- 7-20
Fudge, George H.	Cardiff.	311	26- 7-20
Fisher, Harry	Hillcrest.	338	26- 7-20
Fourneau, Jean F.	Bellevue.	396	1- 8-21
Giffen, H. R.	Coalfields.	19	26- 4-04
Gates, H.	Coleman.	26	26- 4-04
Griffiths, E. H.	Canmore.	33	5-12-04
Gladwin, J.	Edmonton.	97	20-12-09
Griffiths, T. J.	Lille.	77	18- 6-09
Gillespie, John M.	Coleman.	111	2- 6-10
Gilliland, William	Cardiff.	123	8-11-10
Gwilliam, David J. M.	Brule.	130	22-12-10
Gregory, John B.	Passburg.	128	17-12-10
Garrett, John	Lille.	147	4- 7-11
Griffiths, John T.	Lille.	168	17-11-11
Garbett, Richard	Michel, B.C.	180	23-11-11

LIST OF NAMES OF HOLDERS OF THIRD CLASS CERTIFICATES.  
—(Continued.)

Name	Address	Cert. No.	Date of Issue
Gorton, James	Hillcrest	203	22- 7-12
Green, Henry V.	Halkirk	1	1-11-13
Grant, Robert H.	Camrose	2	23-10-13
Grant, Robert	Lethbridge	10	10- 3-14
Goldie, William	Lethbridge	24	1- 4-14
Graham, Robert	Clover Bar	50	27-11-14
Gilday, Michael E.	Drumheller	63	11-12-14
Gillespie, John C.	Drumheller	132	3- 8-16
Greenhalgh, Richard M.	Coleman	154	7- 7-17
Givens, John	Drumheller	158	10- 7-17
Goodrick, William L.	Commerce	168	17- 7-17
Goodwin, Andrew	Bellevue	187	13- 8-17
Gammie, John S.	Drumheller	226	8- 6-18
Grant, Donald A.	Hillcrest	242	26- 6-19
Gordon, Thomas	Clover Bar	248	26- 6-19
Green, Henry V.	Halkirk (Duplicate)	291	15-11-19
Goodwin, G. W.	Bellevue	320	26- 7-20
Gidman, J. H.	Taber	348	26- 7-20
Gibson, Henry	Edmonton	349	26- 7-20
Gilmour, Pete	Midlandvale	363	26- 7-20
Gibson, William	Edmonton	370	26- 7-20
Goodwin, Watts	Bellevue	408	1- 8-21
Holmes, G. E.	Fernie, B.C.	15	1903
Hood, Andrew	Frank	20	26- 4-04
Hadfield, John	Canmore	23	21- 6-03
Harrison, Thomas	Bankhead	29	11- 7-04
Haines, Thomas	Coleman	37	23-12-04
Harvie, Robert	Lethbridge	40	23-12-04
Hallworth, Albert	Bellevue	52	12- 6-08
Hayes, Robert	Lundbreck	60	22- 1-09
Harvie, John	Taber	68	1- 2-09
Henderson, W.	Minott	61	26- 1-09
Higgins, Alfred	Bankhead	25	15- 5-07
Hannen, James	Canmore	1	30- 5-06
Holden, James	Drumheller	13	3- 1-07
Humble, Stephen T.	Bellevue	29	23- 5-07
Hamilton, Charles	Edmonton	36	10- 1-08
Hilling, James	Coleman	43	23- 1-08
Hutton, Isaac	Bellevue	99	27-12-09
Hartley, William	Bankhead	110	2- 6-10
Hill, James	Royal View	114	3- 6-10
Hulme, Charles	Aerial	124	17-12-10
Henderson, James	Reid Hill	134	30-12-10
Hutton, John	Bellevue	135	30-12-10
Henderson, Samuel	Reid Hill	136	30-12-10
Halliday, George	Champion	155	8- 7-11
Hughes, William R.	Elcan	181	23-11-11
Hutton, George	Bellevue	186	2-12-11
Hutchison, Peter	Frank	202	22- 7-12
Heap, Robert	Lundbreck	206	10- 8-12
Hunter, Alexander B.	Wabamun	207	19- 8-12
Harries, Henry C.	Coleman	209	26-10-12
Hutton, David T.	Bellevue	241	31- 7-13
Heathcote, Joseph	Edmonton	32	28- 4-14
Harmison, William	Mountain Park	41	27- 8-14
Hynd, William	Elcan	52	27-11-14
Hutton, Hugh	Bellevue	60	5-12-14
Hargreaves, George	Lethbridge	65	11-12-14
Hopkins, William	Coleman	93	1- 9-15
Huddart, Matthew	Bellevue	102	18-11-15
Hamilton, John	Lethbridge	120	10- 7-16
Howells, John	Duncan	126	19- 7-16
Hyde, Isaac	Cadomin	134	15- 9-16
Hobbes, Robert	Coleman	141	11-11-16

LIST OF NAMES OF HOLDERS OF THIRD CLASS CERTIFICATES.  
—(Continued.)

Name	Address	Cert. No.	Date of Issue
Hunter, John T.	Garden Plain	148	7- 7-17
Holland, Thomas	Lethbridge	161	10- 7-17
Hastings, Andrew P.	Lethbridge	176	10- 7-17
Hodgkinson, John A.	Edmonton	205	1- 6-18
Hudyma, John	Pocahontas	207	1- 6-18
Head, James	Taber	209	1- 6-18
Hooks, John W.	Calgary	210	1- 6-18
Hedges, Richard	Beverly	239	29- 8-18
Higney, John	Coalhurst	245	26- 6-19
Hillary, John	Rosedale	258	26- 6-19
Hopkins, John T.	Coleman	259	26- 6-19
Hunter, James	Edmonton	276	26- 6-19
Huff, L. E.	Lethbridge	325	26- 7-20
Hutchison, J. J.	Lovettville	332	26- 7-20
Hawkins, E. L.	Nordegg	339	26- 7-20
Hillary, Joseph	Drumheller	391	1- 8-21
Hamilton, Thomas M.	Blairmore	393	1- 8-21
Hall, James	Nordegg	402	1- 8-21
Hutchinson, George E.	Brookdale	404	1- 8-21
Hetherington, R. Jr.	Wayne	420	1- 8-21
Hogg, Charles M.	Lethbridge	424	1- 8-21
Hamilton, Joseph J.	Lethbridge	434	29- 8-21
Hall, Ernest	Wayne	438	10-10-21
Horner, Charles	Edmonton	440	16-12-21
Ironmonger, John	Hillcrest	145	3- 7-11
Jones, Evan	Coalfields	12	26- 4-04
James, Joseph	Frank	25	26- 4-04
Jones, Samuel A.	Nanaimo, B.C.	17	26- 4-04
Jones, Erskine	Coalfields	47	18- 4-05
James, Henry	Coleman	53	14- 7-08
Jones, David	Edmonton	69	1- 2-09
Jones, Jack	Cardiff	127	17-12-10
Jones, Peter	Lethbridge	195	13- 7-12
Jordan, William	Drumheller	220	20-11-12
Joyce, Michael	Blairmore	224	25-11-12
James, William	Pocahontas	234	31- 7-13
Jackson, John	Bellevue	246	31- 7-13
James, John	Pocahontas	28	21- 4-14
Jones, David	Commerce	55	27-11-14
Johnson, Albert	Coleman	88	26- 8-15
Jones, Daniel G.	Lovettville	99	10-12-15
Jones, Evan J.	Calgary	144	3- 7-17
Jinks, William E.	Beverly	180	25- 7-17
Jones, John H.	Taber	214	1- 6-18
James, Isaac A.	Coleman	252	26- 6-19
Jones, Richard	Nordegg	289	8-10-19
Johnstone, Alexander	Clover Bar	329	26- 7-20
James, Thomas	Saunders	340	26- 7-20
Jones, Griffith	Edmonton	375	17- 6-21
Kerr, William R.	Harlech	89	29-11-09
Kirkeberg, Henry S.	Michel (Deceased)	87	27-11-09
Kerr, Robert T.	Passburg	75	17- 6-09
Kerr, Robert	Lundbreck	76	17- 6-09
Kaye, Herschel	Maycroft	191	4- 1-12
Kemp, David	Beaver Mines	201	22- 7-12
Kenyon, William	Mountain Park	44	28- 9-14
Knox, Joseph	Hardieville	119	10- 7-16
Kelly, Patrick	Edmonton	147	7- 7-17
Kerrison, Thomas W.	Eyremore	163	10- 7-17
Koentges, John	Blairmore	182	25- 7-17
Kyle, Daniel C.	Hillcrest	185	25- 7-17
Kleiko, Stephen	Coleman	213	1- 6-18
King, John J. J.	Nordegg	221	8- 6-18

## LIST OF NAMES OF HOLDERS OF THIRD CLASS CERTIFICATES.

—(Continued.)

Name	Address	Cert. No.	Date of Issue
Kirkham, Thomas	Sheerness	284	26- 6-19
Kehl, Isadore	Nordeg	359	26- 7-20
Krause, Herman F.	Lethbridge	407	1- 8-21
Livingstone, Robert	Lethbridge	7	21-11-98
Livingstone, James C.	Lethbridge	18	26- 4-04
Learmonth, A. J.	Lundbreck	42	23- 1-08
Love, William	Edmonton	86	27-11-09
Lamont, David	Frank	98	24-12-09
Letcher, John J.	Hillcrest	149	4- 7-11
Leblanc, Emile	Taber	153	8- 7-11
Littler, Robert	Michel, B.C.	166	17-11-11
Loxton, George	Fernie, B.C.	176	17-11-11
Littler, John	Bankhead	190	30-12-11
Littler, Matthew	Michel, B.C.	226	7-12-12
Laight, Jonas	Medicine Hat	233	3- 5-13
Ludbrook, Ellis E.	Bickerdike	237	31- 7-13
Lynch, Stewart	Canmore	26	15- 4-14
Loxton, John	Fernie, B.C.	51	27-11-14
Letcher, Joseph H.	Lovettville	100	12-10-15
Lamond, David	Frank	109	10- 7-16
Loftus, Edward	Drumheller	111	10- 7-16
Lewis, Thomas	Hardieville	131	26- 7-16
Longworth, Thomas	Lethbridge	146	5- 7-17
Logan, John T.	Drumheller	190	6- 9-17
Lohmaier, Peter	Sheerness	238	15- 7-18
Lee, Walter J.	Nordeg	269	26- 6-19
Lindsay, John	Coalhurst	272	26- 6-19
Lindsay, James	Coalhurst	273	26- 6-19
Lawrence, John	Drumheller	294	1-12-19
Lewis, Hanbury	Calgary	364	1-11-20
Musgrove, William	Canmore	9	23- 8-00
Mattson, Matt	Frank	34	5-12-04
Morris, David	Edmonton	45	24- 2-08
Machin, J. C.	Strathcona	46	26- 2-08
Moore, Thomas E.	Drumheller	56	11- 1-09
Mather, Thos.	Big Valley	96	8-12-09
Morgan, Owen	Coleman	143	3- 7-11
Munro, William K.	Lille	150	4- 7-11
Muir, David	Namao	151	8- 7-11
Miller, Walter	Beverly	159	25- 8-11
Moore, James H.	Coleman	167	17-11-11
Massey, Harry	Michel, B.C.	172	17-11-11
Murray, John	Lille	174	17-11-11
Mason, Samuel	Taber	187	6-12-11
Morrison, Malcolm	Coleman	189	30-12-11
Melling, Peter	Evansburg	208	26-10-12
Mackie, John	Hillcrest	221	25-11-12
Makin, John W.	Coleman	240	31- 7-13
Muir, Alexander	Hardieville	12	10- 3-14
Miller, Joseph	Stafford Village	14	10- 3-14
Muir, Robert	Bankhead	21	23- 3-14
Murray, David	Hillcrest	35	26- 5-14
Mather, John	Beverly	45	26-10-14
Muir, James	Bankhead	57	5-12-14
Marsh, Ernest	Taber	61	5-12-14
Morgan, William J.	Canmore	64	11-12-14
Martin, William H.	Drumheller	69	28- 1-15
Marsh, John H.	Lethbridge	75	20- 3-15
Mallabone, Ernest	Canmore	105	7- 7-16
Miller, David L.	Taber	114	10- 7-16
Millar, Peter P.	Drumheller	127	26- 7-16
Martin, Richard	Taber	135	25- 9-16
Maddison, William	Mountain Park	136	25- 9-16
Mitchell, John	Evansburg	143	27- 2-17



LIST OF NAMES OF HOLDERS OF THIRD CLASS CERTIFICATES.  
—(Continued.)

Name	Address	Cert. No.	Date of Issue
Morgan, Robert M.	Coleman	460	10- 7-17
Morse, Alfred T.	Drumheller	172	17- 7-17
Michayluck, John G.	Frank	184	25- 7-17
Marsh, William	Drumheller	230	8- 6-18
Mathewson, James	Nevis	236	22- 6-18
Mossey, Thomas M.	Lethbridge	237	5- 7-18
Miller, James	Aerial	266	26- 6-19
Miller, John R.	Aerial	293	20-11-19
Monkton, William	Rosedale	322	26- 7-20
Miller, Joseph Jr.	Lethbridge	326	26- 7-20
Milnes, John	Bellevue	334	26- 7-20
Melling, Joseph	Evansburg	335	26- 7-20
Maddison, John	Hillcrest	354	26- 7-20
Melvin, J. L.	Lethbridge	371	28-12-20
Meyers, August	Drumheller	406	1- 8-21
Minue, Graydon B.	Nordegg	410	1- 8-21
Mitchell, Archie	Calgary	412	1- 8-21
McKay, John James	Lethbridge	5	19-11-98
McKinnon, H. G.	Canmore	36	5-12-04
McGregor, Alec	Frank	41	16- 1-05
McCulloch, Alex	Coleman	43	18- 4-05
McDonald, J. A.	Blairmore	44	18- 4-05
McVey, William	Frank	39	10- 1-08
McLeary, Stewart	Lethbridge	58	12- 1-09
McMillan, William D.	Coleman	72	25- 2-09
McKinnon, A. J.	Canmore	62	29- 1-09
McLenhan, John A.	Dinant	51	8- 6-08
McGarry, Martin	Michel, B.C.	59	19- 1-09
McDonald, James A.	Lille	91	29-11-09
McMillan, Donald	Coleman	107	31- 5-10
McDonald, Duncan	Calgary	112	2- 6-10
McDonald, Hector	Bankhead	115	3- 6-10
McDonald, William C.	Lethbridge	122	16- 7-12
McDevitt, James J.	Tofield	129	22-12-10
McGladrie, John	Lille	152	8- 7-11
McMullin, Joseph	Hillcrest	171	17-11-11
McGough, Joseph P.	Bellevue	219	18-11-12
McDonald, James O. C.	Coleman	225	25-11-12
McDonald, Noble M.	Bellevue	5	28-11-13
McGowan, James K.	Lethbridge	13	10- 3-14
McLeod, John A.	Evansburg	74	8- 3-15
McLellan, John A.	Brule	77	8- 5-15
McIlveen, William	Lovettville	80	19- 8-15
McAndrew, Robert	Clover Bar	81	19- 8-15
McAndrew, John	Blairmore	83	19- 8-15
McKean, George J.	Bellevue	121	10- 7-16
McLean, William	Mountain Park	122	10- 7-16
McQueen, Andrew	Nordegg	124	19- 7-16
McMillan, Daniel	Drumheller	149	7- 7-17
McDonald, John H.	Edmonton	164	10- 7-17
McKinnon, John L.	Coleman	189	4- 9-17
McDonald, George	Drumheller	212	1- 6-18
MacKay, William J. K.	Coalspur	240	28- 1-19
McDicken, James	Coleman	251	26- 6-19
McFegan, Robert	Brule Mines	255	26- 6-19
MacPherson, John M.	Coalhurst	257	26- 6-19
McQueen, George	Nordegg	270	26- 6-19
McDade, John	Drumheller	290	8-11-19
McGowan, William	Lethbridge	317	26- 7-20
McKinnie, John	Drumheller	369	26- 7-20
McKenna, Harry	Pocahontas	376	17- 6-21
MacAskill, Alexander	Drumheller	380	1- 8-21
McGaw, Albert M. S.	Carmangay	398	1- 8-21
McGregor, Thomas B.	Lethbridge	417	1- 8-21

LIST OF NAMES OF HOLDERS OF THIRD CLASS CERTIFICATES.  
—(Continued.)

Name	Address	Cert. No.	Date of Issue
McNab, Murdoch	Coalhurst	419	1- 8-21
McLeod, Gordon J.	Mountain Park	422	1- 8-21
MacDonald, William	Drumheller	431	29- 8-21
Nelson, Horatio	Lundbreck	11	3- 1-07
Nanson, Thomas H.	Bellevue	15	3- 1-07
Nicol, James	Coalspur	34	26-12-07
Nicol, George	Cadomin	27	21- 4-14
Nugent, Bernard	Drumheller	133	30- 8-16
Oliphant, J. H.	Frank	26	17- 5-07
Oliphant, John	Medicine Hat	79	16- 7-09
O'Donnell, Thomas	Rosedale	139	17- 3-11
Ottewell, William J.	Clover Bar	245	31- 7-13
Oakes, Robert	Bankhead	104	10- 6-16
Oakley, John	Mountain Park	115	10- 7-16
Oliver, B.	Magrath	342	26- 7-20
Phillips, Charles	Frank (Deceased)	14	30-12-02
Prentice, John	Lille	67	1- 2-09
Powell, Albert E.	Clover Bar	71	4- 2-09
Picton, William	Frank	78	8- 7-09
Pounder, George	Pincher Creek	84	22 -9-09
Parker, Levi	Clover Bar	100	18- 1-10
Pickering, Gabe	Taber	104	25- 2-10
Parry, Thomas	Hillcrest	119	21- 6-10
Park, Stewart G.	Lethbridge	121	25- 6-10
Patterson, John	Hillcrest	126	17-12-10
Picton, Daniel	Aerial	178	23-11-11
Park, William	Lethbridge	194	13- 7-12
Parkes, John T.	Lethbridge	236	31- 7-13
Park, Alex. C.	Lethbridge	25	8- 4-14
Porteous, Alexander	Hillcrest	36	26- 5-14
Purdy, Stearns J.	Bellevue	37	28- 5-14
Parker, Joseph	Drumheller	47	25-11-14
Puckett, Owen L.	Lovettville	53	27-11-14
Pavier, Evan	Big Valley	91	27- 8-15
Price, Alfred	Edmonton	103	4- 1-16
Pitt, Arthur J.	Coleman	108	10- 7-16
Phillips, David	Commerce	110	10- 7-16
Price, John	Mountain Park	116	10- 7-16
Pratt, Philip	Lovettville	117	10- 7-16
Paterson, Patrick	Evansburg	139	3-10-16
Padgett, Albert	Bellevue	177	17- 7-17
Poole, Alexander	Drumheller	241	16- 5-19
Prescott, William	Hillcrest	249	26- 6-19
Painter, J. A.	Bankhead	361	26- 7-20
Quigley, Daniel H.	Lethbridge	157	14- 7-11
Queen, Andrew M.	Lethbridge	228	26-12-12
Rice, Awrey	Coalspur	48	18- 4-04
Rawson, Thomas S.	Frank	1	20-12-05
Rose, Walter	Lundbreck	54	25- 8-08
Roberts, William	Strathcona	95	3-12-09
Robinson, John H.	Hillcrest	106	31- 5-10
Rowbotham, William H.	Edmonton	116	6- 6-10
Roberts, E.	Cardiff	118	20- 6-10
Richardson, Alfred	Lethbridge	125	17-12-10
Richards, George	Coleman	137	31-12-10
Roberts, John	Cadomin	140	6- 4-11
Reid, James	Canmore	158	24- 7-11
Richards, Evan	Evansburg	162	17-11-11
Richards, Samuel	Bellevue	175	17-11-11
Rawlinson, Rowland	Burmis	182	28-11-11
Rayner, Frederick	Frank	188	8-12-11
Radford, James	Bellevue	200	22- 7-12
Rae, John	Coleman	242	31- 7-13
Rankin, William	Hosmer, B.C.	4	28-11-13

LIST OF NAMES OF HOLDERS OF THIRD CLASS CERTIFICATES.  
—(Continued.)

Name	Address	Cert. No.	Date of Issue
Rebar, Mike	Hardieville	19	18- 3-14
Rees, Daniel	Bellevue	56	27-11-14
Russell, Arthur	Standard	59	5-12-14
Russell, John	Mitford	67	20- 1-15
Rees, Gomer	Beverly	96	12-10-15
Robinson, Edward	Drumheller	101	20-10-15
Roberts, David O.	Wayne	106	7- 7-16
Robert, David C.	Coleman	113	10- 7-16
Randall, David	Coleman	191	10-10-17
Reid, Edward	Drumheller	206	1- 6-18
Redpath, James	Wayne	208	1- 6-18
Reid, Samuel	Beverly	211	1- 6-18
Richards, Edward	Drumheller	271	26- 6-19
Rollingson, John	Lethbridge	280	26- 6-19
Ruscoe, Richard	Halkirk	282	26- 6-19
Roberts, Evan	Wayne	318	26- 7-20
Royle, Edward	Hillcrest	323	26- 7-20
Robertson, W. J.	Coalhurst	333	26- 7-20
Rappel, Thomas	Rosedale	337	26- 7-20
Rappel, A. J.	Calgary	355	26- 7-20
Richards, John C.	Coleman	386	1- 8-21
Richards, Thomas	Wayne	392	1- 8-21
Reese, William H.	Lethbridge	435	29- 8-21
Scott, Robert	Lethbridge	6	19-12-98
Scott, Hugh	Lethbridge (Deceased)	8	5- 6-99
Sedlock, Joseph	Canmore	22	25- 6-03
Smith, Robert	Canmore	32	5-12-04
Smith, Hugh	Bellevue	35	5-12-04
Stott, John	Lethbridge	38	23-12-04
Spencer, W. J.	Bankhead	51	6- 7-05
Salmond, James M.	Bankhead	6	20-12-05
Sparrow, Edwin	Tawatinaw	2	20-12-05
Smith, Ralph	Canmore	3	30- 5-06
Singleton, Robert	Lundbreck	47	29- 5-08
Schmidt, O. P.	Edmonton	44	1- 2-08
Sihvon, William	Bellevue	27	17- 5-07
Scott, Andrew N.	Mountain Park	28	23- 5-07
Smith, A. J. P.	Bellevue	103	21- 2-10
Shaw, Thomas J.	Brule	113	3- 6-10
Scott, Alexander	Pocahontas	185	28-11-11
Sherratt, Owen (Sr.)	Coleman	199	13- 7-12
Smith, Thomas	Hillcrest	216	1-11-12
Stobbs, Joseph	Diamond City	217	5-11-12
Shaw, Eli	Canmore	229	30-14-13
Stephenson, Thomas	Bellevue	230	7- 4-13
Stott, John	Lethbridge	231	7- 4-13
Stephenson, Joseph	Commerce	232	30- 4-13
Sandino, Joe	Bellevue	238	31- 7-13
Steele, John W.	Lethbridge	17	16- 3-14
Severas, Mathew	Stratheona	42	8- 9-14
Spencer, Murray A.	Lovett	43	18- 9-14
Snarey, George	Taber	62	5-12-14
Sinclair, James	Drumheller	68	22- 1-15
Smith, John	Blairmore	94	1- 9-15
Smith, T. Edwin	Yewood	130	26- 7-16
Strickland, William	Evansburg	145	5- 7-17
Stratton, James M.	Taber	181	25- 7-17
Steen, Herman	Hanna	277	26- 6-19
Scott, Frederick G.	Nordeg	287	2- 9-19
Sippell, Joseph	Drumheller (Deceased)	295	1-12-19
Stewart, James	Lethbridge	305	26- 7-20
Smith, Thomas	Coleman	307	26- 7-20
Saunt, James	Edmonton	309	26- 7-20
Steele, Francis M.	Pincher Creek	319	26- 7-20

LIST OF NAMES OF HOLDERS OF THIRD CLASS CERTIFICATES.  
—(Continued.)

Name	Address	Cert. No.	Date of Issue
Stratton, A. T.	Taber	351	26- 7-20
Serrie, John	Taber	353	26- 7-20
Sutherland, Edward S.	Beverly	395	1- 8-21
Scott, Robert	Mountain Park	399	1- 8-21
Shaw, William G.	Nordegg	409	1- 8-21
Shaw, Joseph H.	Nordegg	416	1- 8-21
Shaw, John H.	Nordegg	426	1- 8-21
Stene, David	Edmonton	430	29- 8-21
Strachan, John	Fernie, B.C.	437	29- 8-21
Taylor, William	Lethbridge	10	16- 4-01
Turner, Samuel H.	Frank	21	25- 6-03
Thomas, David	Bankhead	31	5-12-04
Teppo, Herman	Bellevue	19	3- 1-07
Thompson, Thomas	Lundbreck	16	3- 1-07
Tonge, Thomas	Lundbreck	5	30- 5-06
Taylor, Thomas	Lundbreck	30	23- 5-07
Thomas, John J.	Frank	74	21- 4-09
Thompson, Thomas	Coleman	93	29-11-09
Thomas, Joseph D.	Wayre	81	25- 8-09
Thomson, Thomas W.	Bankhead	161	17-11-11
Thompson, Joseph	Coleman	165	17-11-11
Thomas, Isaac	Coleman	204	27- 7-12
Tully, Thomas	Fernie, B.C.	215	1-11-12
Turner, William	Hillcrest	244	31- 7-13
Thomas, John B.	Edmonton	46	19-11-14
Thomson, Roger A.	Lovett	66	22-12-14
Thomson, David	Lovett	82	19- 8-15
Tennant, Robert	Lethbridge	84	19- 8-15
Troman, Samuel	Lethbridge	87	26- 8-15
Turner, Leonard	Nordegg	125	19- 7-16
Thom, George	Edmonton	142	12-12-16
Tennant, John	Lethbridge	165	10- 7-17
Terris, Andrew	Nordegg	170	17- 7-17
Tennant, William G.	Lethbridge	228	8- 6-18
Tisdale, James R.	Nordegg	231	8- 6-18
Thomason, Charles	Michel, B.C.	234	14- 6-18
Talbot, William	Drumbeller	235	22- 6-18
Thomson, James	Beverly	425	1- 8-21
Terris, Chapen	Saunders	429	1- 8-21
Thomson, George H.	Lethbridge	433	29- 8-21
Thompson, Andrew	Aerial	267	26- 6-19
Thackray, Fred	Taber	281	26- 6-19
Travis, Joseph	Bankhead	303	26- 7-20
Utley, Frederick W.	Bellevue	250	26- 6-19
Vola, Serafino	Canmore	63	1- 2-09
Vaselenak, Michael P.	Lethbridge	159	10- 7-17
Watkins, W. Ed.	Champion	1	14-11-98
Wilson, John	Canmore	2	15-11-98
Watkins, John W.	Canmore	3	15-11-98
Waite, Archibald	Taber	11	6- 7-03
Webb, James F.	Canmore	42	8- 4-05
Wilson, William G.	Coleman	3	20-12-05
Watters, John	Bankhead	5	20-12-05
Wright, John S.	Canmore	12	3- 1-07
Welsh, W. R.	Lundbreck	9	3- 1-07
Wrigley, Walter	Cadomin	37	10- 1-08
Willmott, William	Canmore	38	10- 1-08
Watters, A. G.	Bankhead	49	29- 5-08
Weston, Thomas	Strathcona	73	7- 4-09
White, Harry	Hillcrest	90	29-11-09
Williams, Walter E.	Beverly	213	31-10-12
Williams, John J.	Bickerdike	223	25-11-12
Whitefield, Isaac	Coalhurst	15	10- 3-14
Williams, John T.	Bellevue	33	23- 5-14

LIST OF NAMES OF HOLDERS OF THIRD CLASS CERTIFICATES.  
—(Continued.)

Name	Address	Cert. No.	Date of Issue
Wesledge, William	Nanaimo, B.C.	58	5-12-14
Wardrop, James	Georgetown	72	16- 2-15
Worthington, Thomas	Lethbridge	92	1- 9-15
Wallwork, William	Taber	118	10- 7-16
Watkins, James M.	Taber	128	26- 7-16
Williams, Albert	Beverly	138	25- 9-16
Wilcox, William J.	Beverly	140	11-11-16
Willetts, Frederick	Lethbridge	162	10- 7-17
Wilson, Alexander	Drumheller	169	17- 7-17
Wolstoncroft, Robert	Commerce	175	17- 7-17
Watson, Adam G.	Calgary	215	1- 6-18
Wheatcroft, Fred Jr.	Drumheller	225	8- 6-18
White, John M.	Lethbridge	233	14- 6-18
Warren, Michael	Canmore	304	26- 7-20
Womersley, Alfred	Redcliff	316	26- 7-20
Wright, S. P. T.	Coalhurst	336	26- 7-20
Walker, H. M.	Bellevue	368	26- 7-20
Watson, James	Edmonton	378	1- 8-21
Woollett, Charles	Edmonton	379	1- 8-21
Walker, Charles C.	Wayne	385	1- 8-21
White, William	Hillcrest	388	1- 8-21
White, Alfred	Hillcrest	389	1- 8-21
Wheatcroft, George L.	Wayne	394	1- 8-21
Wilkie, John	Sheeracess	405	1- 8-21
White, Robert	Nordegg	411	1- 8-21
White, William	Coleman	427	1- 8-21
Young, Thomas	Taber	57	11- 1-09
Young, Samuel	Cardiff	101	18- 1-10
Zak, Albert	Commerce	324	26- 7-20

LIST OF NAMES OF HOLDERS OF MINE SURVEYOR'S CERTIFICATES  
GRANTED BY THE GOVERNMENT OF THE PROVINCE OF  
ALBERTA TO DECEMBER 31, 1921.

Name	Address	Cert. No.	Date of Issue
Aspinall, Francis	Midlandvale	1	7- 8-15
Adam, William A.	Lethbridge	40	21- 8-15
Ashburaer, Edward	Medicine Hat	79	1- 9-15
Allen, Peter	Wayne	109	23-11-15
Brown, John	Calgary	30	20- 8-15
Billington, Edward E.	England	42	23- 8-15
Bilterynt, Jean	Taber	73	1- 9-15
Black, Ernest D.	Sewell, Man.	75	1- 9-15
Baxter, Andrew W.	Calgary	119	23-11-15
Brown, Hugh R.	Commerce	125	10- 7-16
Brown, Thomas	Edmonton	133	17-11-17
Coulthard, Robert W.	Toronto, Ont.	20	7- 8-15
Church, James A. H.	Edmonton	21	7- 8-15
Charlesworth, Lionel C.	Edmonton	22	7- 8-15
Callander, Ira C.	Virginia, U.S.A. (Deceased)	39	21- 8-15
Charbonnier, Jules	Blairmore	72	1- 9-15
Cote, Jean L.	Edmonton	80	1- 9-15
Cautley, Reginald H.	Edmonton	81	1- 9-15
Crowder, James	Blairmore	111	23-11-15
Cook, Arnold D.	Taber	113	23-11-15
Cumming, Charles H.	Brule Mines	135	3- 7-18
Crowder, Harry	Drumheller	152	26- 7-20
Congdon, Milton H.	Blairmore	157	1- 8-21

LIST OF NAMES OF HOLDERS OF MINE SURVEYOR'S CERTIFICATES.  
—(Continued.)

Name	Address	Cert. No.	Date of Issue
Clement, Adolph L.	Calgary	158	1- 8-21
Cameron, Alan E.	Edmonton	154	26- 7-20
Davidson, William A.	Rosedale	7	7- 8-15
Drinnan, Robert G.	Edmonton	8	7- 8-15
DeHart, Joseph B.	Nacmine	45	23- 8-15
Dougall, Ralph	Bankhead (Deceased)	49	23- 8-15
Drummond, Leonard E.	Edmonton	51	23- 8-15
Dunn, Alex C.	Edmonton	55	23- 8-15
Darbyshire, James	Mountain Park	69	1- 9-15
Duggan, William H.	Beverly	84	1- 9-15
Driscoll, Alfred	Edmonton	91	7- 9-15
Dennis, Frederick W.	England	100	9- 9-15
Davis, Alfred	Lethbridge	114	23-11-15
Daniell, G. W. B.	Nanaimo, B.C.	126	10- 7-16
Donaldson, C. S.	Lethbridge	151	26- 7-20
Elliott, Edward P.	Pocahontas	33	20- 8-15
Ellis, William	Three Hills	94	7- 9-15
Evans, Daniel	Edmonton	123	29-12-15
Elliott, G. R.	Canmore	150	26- 7-20
Fraser, Norman	Edmonton	15	7- 8-15
Foot, Robert G.	Coleman	54	23- 8-15
Finnie, Oswald S.	Ottawa	57	23- 8-15
Flint, William G.	Edmonton	76	1- 9-15
Fortner, Edward	United States	83	1- 9-15
Fraser, Alan T.	Edmonton (Deceased)	121	18-11-15
Green, Raoul	Blairmore	70	1- 9-15
Gallon, Emile	Bellevue	89	7- 9-15
Gray, David	Washington, U.S.A.	110	23-11-15
Gheur, Ernest	Nordegg (Deceased)	129	22- 2-17
Hutchison, David	Hillcrest	29	20- 8-15
Huntrods, Eustace S. F.	Taber	34	20- 8-15
Holden, James O. E.	Drumheller	46	23- 8-15
Hardie, W. D. L.	Lethbridge	50	23- 8-15
Hargreaves, James	Drumheller	52	23- 8-15
Hamilton, James F.	Lethbridge	67	1- 9-15
Henderson, Thomas R.	Tofield	56	23- 8-15
Hutchison, William	Hillcrest	68	1- 9-15
Hamilton, Robert	Three Hills	74	1- 9-15
Horne, Thomas	Castor	82	1- 9-15
Harrison, Stephen	Lethbridge (Deceased)	85	1- 9-15
Hyde, Marcus L.	Vancouver, B.C.	95	7- 9-15
Hamilton, William L.	Bienfait, Sask.	117	23-11-15
Hamilton, Allan	Blairmore	131	7- 7-17
Hall, William E. G.	Coleman	143	2- 7-19
Hetherington, William B.	Rosedale	144	9- 7-19
Higgins, Alexander	Calgary	145	15- 7-19
Hunter, Alexander B.	Wabamun	156	1- 8-21
Howells, Nathaniel	Lethbridge	160	3-11-21
Jones, Samuel A.	Nanaimo, B.C.	26	19- 8-15
Jones, David	Edmonton	32	20- 8-15
Johnson, Moses	Commerce	130	7- 7-17
Kellett, Walton	Lethbridge (Deceased)	47	9- 9-15
Knight, Richard R.	Edmonton	96	23-11-15
Kellock, George	Coleman	105	23-11-15
Knight, Sidney	Edmonton	123	3-12-15
Kidd, Gordon L. S.	Calgary	132	10-10-17
Livingstone, Robert	Lethbridge	9	7- 8-15
Lee, Robert J.	Estevan, Sask.	64	1- 9-15
Lavoie, Germain A.	Frank	44	23- 8-15
Lyster, Horace M.	Toronto, Ont.	77	1- 9-15
Leblanc, Emile	Taber	107	23-11-15
Lindoe, Luke	Bellevue	136	3- 7-18
Lewis, John W.	Edmonton	159	10-10-21
Morris, James J.	Canmore (Deceased)	14	7- 8-15

LIST OF NAMES OF HOLDERS OF MINE SURVEYORS' CERTIFICATES.  
—(Continued.)

Name	Address	Cert. No.	Dat eof Issue
Morris, Robert H.	Virginia, U.S.A.	17	7- 8-15
Milne, Morgan C.	Virginia, U.S.A.	78	1- 9-15
Mills, Harry W.	Bankhead	92	7- 9-15
Maxwell, William	Westville, N.S.	93	7- 9-15
Millar, Andrew A.	Taylorlton, Sask.	97	9- 9-15
Meldrum, William	Lethbridge	98	9- 9-15
Moodie, Kenneth S.	Drumheller	101	9- 9-15
Marshall, John W.	Evansburg	106	23-11-15
Marsh, John	Lethbridge	124	4- 4-16
Morgan, O.	Blairmore	148	26- 7-20
Moore, H. D.	Nordegg	149	26- 7-20
McNeill, Walter F.	Calgary	6	7- 8-15
McLeod, John A.	Evansburg	35	20- 8-15
McLenhan, John A.	Dimant	37	21- 8-15
Macaulay, Angus G.	Cadomin	41	23- 8-15
Macaulay, D. A.	Drumheller	60	31- 8-15
McCulloch, James	Drumheller	104	23-11-15
McDonald, Duncan	Calgary	118	23-11-15
McVicar, Samuel	Three Hills	120	23-11-15
McDonald, John R.	Frank	128	22- 2-17
O'Donnell, Thomas	Rosedale	102	9- 9-15
Pitcher, Norman C.	Edmonton	10	7- 8-15
Parker, John L.	Lundbreck	11	7- 8-15
Pickles, William	Foothills	24	18- 8-15
Puckett, Owen L.	Lovettville	31	20- 8-15
Ponton, Gerald M.	Calgary	63	1- 9-15
Piard, Marc	Bellevue	88	7- 9-15
Powell, Albert E.	Nakusp	108	23-11-15
Quigley, Daniel H.	Coalhurst	142	2- 7-19
Reid, John C.	Virginia, U.S.A.	12	7- 8-15
Richards, James A.	Edmonton	13	7- 8-15
Robertson, John D.	Edmonton	23	7- 8-15
Richards, Charles C.	Calgary	43	23- 8-15
Robertson, John	Drumheller	61	1- 9-15
Reid, Adam H.	Oklahoma, U.S.A.	62	1- 9-15
Robert, Louis P.	Bellevue	65	1- 9-15
Raisbeck, Luke	Grassy Lake	103	23-11-15
Ritchie, David W.	Edmonton	134	28- 6-18
Robinson, William E.	Coleman	139	11- 7-18
Riddell, John G.	Coleman	147	26- 7-21
Stockett, Lewis	Calgary	2	7- 8-15
Smith, Frank B.	Edmonton (Deceased)	3	7- 8-15
Stirling, John T.	Edmonton	19	7- 8-15
Shaw, William	Edmonton	25	19- 8-15
Scott, Andrew N.	Mountain Park	36	20- 8-15
Shanks, John	Nordegg	58	28- 8-15
Stevenson, William Jr.	Hillcrest	59	31- 8-15
Stevens, Leonard C.	Edmonton	66	19- 5-15
Sutherland, Clyde C.	Edmonton	86	3- 9-15
Stevenson, John	Scotland	116	23-11-15
Sherwin, Paul M.	Frank	127	22- 1-17
Smith, Thomas E.	Coalhurst	137	3- 7-18
Steele, Francis M.	Castor	146	23- 3-20
Sparks, Harry E.	Brule	155	1- 8-21
Thornton, Norman M.	Edmonton (Deceased)	16	7- 8-15
Thorne, Benjamin L.	Calgary	18	7- 8-15
Thomas, Joseph D.	Wayne	115	23-11-15
Turner, John H.	Coalhurst	141	2- 7-19
Wain, W. Holt	Canmore (Deceased)	4	7- 8-15
Wilson, David G.	Bankhead	5	7- 8-15
Whiteside, O. E. S.	Coleman	27	19- 8-15
Williams, Arthur E.	Saunders	38	21- 8-15
Williams, Thomas B.	Edmonton	48	23- 8-15
Watson, Ronald H.	Hillcrest	53	23- 8-15

LIST OF NAMES OF HOLDERS OF MINE SURVEYORS' CERTIFICATES.  
—(Continued.)

Name	Address	Cert. No.	Date of Issue
Williams, W. P.....	Bellevue..... (Deceased)	71	1- 9-15
Watters, John.....	Bankhead.....	87	3- 9-15
Wilson, W. R.....	Fernie, B. C.....	90	7- 9-15
Wark, Samuel D.....	Sointula.....	99	9- 9-15
Wheeler, James S.....	Calgary.....	112	23-11-15
Wright, Edwin.....	Bankhead.....	138	11- 7-18
Young, W. H.....	Calgary..... (Deceased)	28	19- 8-15

Certificates issued previous to September 1st, 1905, were issued under the provisions of The Coal Mines Regulation Ordinance of the North-West Territories.

Certificates issued between September 1st, 1905, and May 9th, 1906, were issued under the provisions of The Coal Mines Ordinance of the North-West Territories.

Certificates issued between May 9th, 1906, and August 1st, 1913, were issued under the provisions of The Coal Mines Act of the Province of Alberta.

Certificates issued since August 1st, 1913, were issued under the provisions of The Mines Act of the Province of Alberta.